(5) (5)

Academy 5-7-08



05/19/2008

C E S ENVIRONMENTAL SERVICES I 4904 GRIGGS RD HOUSTON TX 77021-3208

Notification Confirming Receipt of Claim

Date of Injury:

05/07/2008

Injured Worker:

(b) (6)

Claim Number: Policy Number:

99J0000531020 0001086044

0001086044

Attached is a copy of the information another party reported to Texas Mutual Insurance Company which was used to establish this claim. You may submit additional claim information to Texas Mutual Insurance Company. If you have questions regarding this report of injury please contact us at (800) 859-5995.

If your policy includes our workers' compensation health care network option you are required by law to obtain a second Employee Acknowledgement of Workers' Compensation Network Form signed by the injured worker. Please submit a copy of the signed, second acknowledgement form to Texas Mutual Insurance Company. You can find a copy of the form online at www.texasmutual.com/hcn/hcn.shtm

Below please find information that will help you through the claim process:

To submit additional claim information:

To locate a treating doctor:

Mail to: P. O. Box 12029

www.texasmutual.com/workers/iwADL.shtm

Austin, Texas 78711-2029 Fax to: (512) 224-3889

To contact the handling adjuster:

Call: (800) 859-5995

Monday - Friday; 8:00 a.m. - 5:30 p.m.

To obtain a copy of the Employer and Employee Rights and Responsibilities in the

Workers' Compensation System:

www.texasmutual.com/employers/erRights.shtm

To locate a pharmacy, or for pharmacy questions, contact Scripnet:

Call: (888) 880-8562 www.scripnet.com

To obtain a copy of the Employer and Employee Rights and Responsibilities for the workers' comp health care network:

www.texasmutual.com/hcn/hcn.shtm

Additional Texas Mutual® online services at www.texasmutual.com, available 6 a.m. - 9 p.m., include:

- o Obtain logon id, or for immediate logon id, call (800) 859-5995, M-F, 8:00 a.m. 5:30 p.m.
- o Submit first report of injury in the Employers section
- o Submit wage statement when reviewing loss runs and claim details
- o Obtain specific claim summary information



Claim Number: 99J0000531020

Notification Date: 05/16/2008

EMPLOYER'S FIRST REPORT OF INJURY

INJURED EMPLOYEE

Name: SSN:

XXX-XX-Mailing

Address

County:

Physical Address:

County:

Home Phone:

Date of Birth: Marital Status: Unknown

Gender:

Male

Language:

English

MEDICAL PROVIDER

Dependents: 00

Name:

Tax ID:

Address:

Phone:

Ext:

Fax:

ATTORNEY

Represented by Attorney:

Name:

Phone:

BUSINESS/EMPLOYER

Name: CESENVIRONMENTAL SERVICES I

Address:

4904 GRIGGS RD

HOUSTON TX 77021-3208

Phone: (713)676-1460 **Ext:**

Fax: (713)676-1676

Policy Number:

0001086044

FEIN:

760592985

Location ID:

EMPLOYMENT

Occupation:

Hire Date: 00/00/0000

State:

Partner/Officer/Owner: **Date Lost Time Began:**

Return to Work Date:

00/00/0000 00/00/0000

Last Paycheck was:

Wage: Frequency:

Hours/Week:

Days/Week:

Period Start: 00/00/0000

Period End: 00/00/0000

Supervisor Name:

Phone:

Ext:

PREPARER OF REPORT

Name:

Phone: Email:

Ext:

Fax:

INJURY INFORMATION

Date of Injury:

05/07/2008

Time: 00:00

Address Where Injury Occurred:

Date Reported: 00/00/0000 Nature of Injury: BURN

Cause of Injury: BURN/SCALD HEAT OR COLD

EXP-CONTACT/W-CHEMICALS

County: Witnesses: Name:

Phone:

Part of Body:

Fatality:

MULTIPLE BODY

PARTS(INCL.BODY SYSTEMS & BDY PARTS

Phone:

Name:

Name:

Phone:

How and Why the Injury/Illness Occurred

BURN TO HEAD, EYE: CAUSTIC SUBSTANCE. CLAIM CREATED FROM UB04.



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676

Fax

To: Texas Mutual From: Karl Guidry

Mobile: (832) 287-0862

Fax: 713-316-2191 Pages: Pages to follow

Attn: Phillip smith Date: May 22, 2008

Paperwork related to Salvador Garcia Claim 99J531020.

Karl Guidry

****** -IND. XMT Journal- ********* Date MAY-22-2008 **** Time 09:56 ******

Date/Time = MAY-22-2008 09:53

Journal No. = 181

Comm. Result = OK

Page(s) = 007

Duration = 00:01:24

File No. = 966

Mode

= Memory Transmission

Destination = 7133162191

Received ID = / 7133162191

Resolution = Fine

-CES ENVIROMENTAL

**** DP-C264 ************ -

- **** - 7137488664- *******

BAYSHORE medical center Bayshore Medical Center 4000 Spencer Hwy, Pasadena, TX 7		Patient Inform (b) (6)	nation	Treating Provider LIEU NGO MD 4000 Spencer Hwy, Pasadena, TX 77504 Phone: 713-359-1440	Discharge Summary Date: 5/7/08 Time: 2:38:29 AM Patient Copy			
1) Your Discharge Instruction. BURN CARE #Document: 56 (Span NARCOTIC MEDICATION #Docume	ment: 56 (Spanish)			2) Your Prescriptions: Vicodin Oral Tablet 5-500 Milligram 1 TABLET EVERY 4 TO 6 HOURS AS NEEDED # 15 TABLET (0 Refills) Silvadene External Cream 1 % 1 APPLICATION TWICE DAILY- DO NOT APPLY TO FACE, EYES # 1 (30 GM) TUBE(S) (0 Refills)				
3) You should Follow Up with:		action						
Follow Up Physician: YOUR REGULAR PHYSICIAN, Phone: Fax:	Spencer Hwy, Pasac ADDITIONAL NOTE directed. Keep the ar	atient was treated dena, TX 77504 fo S: Please follow u rea clean, dry, and	or Refer to Dis up with your do d intact. If you		orsening of pain, signs or			

I understand that the emergency care which I received is not intended to be complete and definitive medical care and treatment. I acknowledge that I have been instructed to contact the above physician immediately for continued and complete medical diagnosis, care and treatment. EKG's, X-rays, and lab studies will be reviewed by appropriate specialists and I will be notified of significant discrepancies. I also understand that my signature authorizes this Medical Center to release all or any part of my medical record (including, if applicable, information pertaining to AIDS and/or HIV testing, mental health records, and drug and/or alcohol treatment) to the referred physician listed above.



Bayshore Medical Center 4000 Spencer Hwy, Pasadena, TX 77504

Patient Information	Treating Provider	Discharge Instructions
(b) (6)	LIEU NGO MD	Date: 5/7/08 Time: 2:38:27 AM
Phone:	4000 Spencer Hwy, Pasadena, TX 77504	Patient Copy
Frione.	Phone: 713-359-1440	
		Page: 1 of 2

Patient Discharge Instructions

Document: 56

CUIDADO DE UNA QUEMADURA / BURN CARE

Una quemadura ocurre cuando la piel se expone a demasiado calor, sol o a químicos dañinos. Una <u>quemadura de primer grado</u> causa enrojecimiento solamente, como una quemadura de sol, y se cura en pocos días. Una <u>quemadura de segundo grado</u> es más profunda y causa la formación de una ampolla. Esto tomará hasta 2 semanas en sanarse. Una <u>quemadura de tercer grado</u> lesiona todas las capas de la piel y es muy grave. Puede tomar 1 mes o más en sanarse.

Siga Estas Instrucciones Con Cuidado:

- Mantenga el área de la quemadura elevada y descansada por los próximos 2 a 3 días. Después usted debe mover las coyunturas alrededor de la quemadura mientras cambia su vendaje
- 2. Siempre mantenga el área alrededor de la quemadura limpia. Lavase las manos antes de tocarse la quemadura.
- 3. Usted puede ponerse una compresa fría (una bolsa plástica con hielo envuelta en una toalla) para controlar el dolor. También puede tomar aspirina, ibuprofen o acetaminofén.
- 4. A menos que le digan otra cosa, usted debe cambiar su vendaje una vez al día. Si el vendaje se pega, mójelo en agua tibia o agua oxigenada.
- 5. Lave el área de la quemadura con jabón y agua para quitar la crema y pomada, pus o costra. Puede hacer esto en el lavamanos, bajo el tubo de la bañera / tina o en la regadera / ducha. Enjuague el jabón y seque con una toalla limpia. Observe si hay señales de infección como las escritas abajo.
- Vuelva a ponerse la cremo o pomada según las instrucciones del medico. Esto ayudara a que no se le pega el vendaje y a prevenir la infección.
- 7. Cubra la quemadura con una gasa que no se pegue. Luego, envuélvela con el vendaje. Si el vendaje se ensucia o lo nota mojado, cámbielo lo mas pronto posible.
- 8. No rompa ninguna de las ampollas. Una vez que la ampolla se abre por si sola se necesita cortar la piel muerta con unas tijeras finas y bien cortantes.

Seguimiento con su medico o esta institución según las instrucciones dadas, o si su quemadura no este sana dentro de 10 días. La mayoría de las quemaduras se sanan sin infección. Sin embargo, puede ocurrir de vez en cuando una infección aún con tratamiento adecuado. Debe revisar su quemadura en 2 días por las señales de infección escritas abajo.

Regrese a esta institución de inmediato o avisale a su doctor si le ocurre cualquiera de las siguientes condiciones;

- Aumento del dolor en la herida.
- Aumento del enrojecimiento, hinchazón o que sale pus de la herida.
- Líneas rojas en la piel que parten de la herida.
- Fiebre por encima de los 100.0 grados.

Patient Discharge Instructions

Document: 548

MEDICAMENTOS NARCÓTOCOS / NARCOTIC MEDICATIONS

Le han recetado un medicamento narcótico. Las medicinas narcóticas se usan para aliviar el dolor. Algunos ejemplos de estas medicinas incluyen los siguientes:

- Codeína (Tylenol #2, #3 jarabe para la tos)
- Propoxifeno (Darvocet, Darvon)
- Hidrocodona (Vicodin)
- Oxicodona (Percocet, Percodan)

Estas drogas pueden causar sueño. Entonces se deben tomar según las instrucciones dadas.

Como Se Debe Tomar Este Medicamento:

- 1. Si esta medicina le irrita el estómago causándole malestar, tómala con comida.
- Únicamente debe ser tomada cuando la necesita y en los tiempos recetados (en la etiqueta). Si usted no tiene dolor, no tome esta medicina.
- Las medicinas narcóticas pueden hacerse un hábito; entonces, toma la medicina solamente según las instrucciones dadas. No tome más
 pastillas de lo recetado, no la tome más s veces de lo recetado y no la tome por más tiempo de lo recetado.

Powered by ScriptRx, Inc. http://www.ScriptRx.com

	Patient Information	Treating Provider	Discharge Instructions
BAYSHORE 1	(b) (6)	LIEU NGO MD	Date: 5/7/08 Time: 2:38:28 AM
Bayshore Medical Center 4000 Spencer Hwy, Pasadena, TX 77504	Phone:	4000 Spencer Hwy, Pasadena, TX 77504 Phone: 713-359-1440	Patient Copy
		1 Hone. 7 13-303-1440	Page: 2 of 2

De Que Sé Debe Tener Cuidado De:

Efectos Secundarios Posibles:

- Si la medicina le da mareos o sueño, toma una dosis menor, partiendo una patilla por la mitad o tomándola menos veces de lo recetado.
- Si le da estreñimiento, beba bastante líquido, toma una dosis pequeña de un laxante suave como Lecho de Magnesio cuando sea necesario y añade fibra a su dieta.
- Si tiene dificultad en orinar, deja de tomar la medicina y llama a su médico.

Reacción Alérgica Posible: Ronchas (erupción), picazón, hinchazón, dificultades al respirar o tragar. Usted debe llamar a su medico o regresar a esta institución de inmediato.

Condiciones Médicas: Antes que usted comienza a tomar esta medicina, asegúrese bien de que su médico sabe o no si usted sufre de cualquiera de las siguientes condiciones:

- Una próstata agrandada.
- Embarazo o dando de pecho.

Interacción de Drogas Posible: Puede haber un aumento en los efectos secundarios si toma esta medicina con alcohol, relajantes musculares, calmantes, antidepresivos triciclicos, inhibidores MAO o cualquier otra medicina para el dolor. Asegúrese bien de que su médico sabe de cualquier otra medicina que usted esta tomando.

Nota Estas Advertencias:

- No maneja ningún vehículo (carro), ni monte a bicicleta, ni opere maquinaria peligrosa, ni se suba por una escalera, ni haga ninguna otra
 actividad donde se tiene que concentrase y pueda lesionarse por lo menos 12 horas después de haber tomado esta medicina hasta saber
 como le va a afectar.
- El uso prolongado (por mucho tiempo) de esta medicina puede hacerse un hábito y darse a la adicción.
- Avísale a su médico de cualquier otra droga que usted este tomando.
- No beba alcohol mientras este tomando esta medicina.

Deja de tomar este medicamento y llama a su médico o regresa a esta institución de inmediato si usted comienza a sufre de cualquiera de las siguientes condiciones:

- Ronchas o picazón.
- Confusión, mareos o sensación de borrachera.
- Alucinaciones.
- Visión borrosa.
- Respiración lenta, latidos del corazón lentos o debilidad severa.
- Nausea o vómitos.
- Dolor de estómago o del pecho.
- Cualquier otra condición que le preocupa.

Discharge	Instructions	Special	Notes
-----------	--------------	---------	-------

Discharge Instructions Special Notes

I understand that the emergency care which I received is not intended to be complete and definitive medical care and treatment. EKG"s, X-rays, and lab studies will be reviewed by appropriate specialists and I will be notified of significant discrepancies. If your sysmptoms persist or worsen, please follow-up with your primary physician or return to the Emergency Department.

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<u>Date</u>

None Listed

Editor

<u>Text</u>

Employee Timecard Report

CES Environmental Services, Inc 05/04/2008 - 05/10/2008

HTO - Hours Toward Weekly Overtime

? Exception

+ Added Item * Tardy

{ Previous Day Punch

Garcia, Salvador	(Disposal	Facility)						Badge: 125 ID: 0080
Date Date	in a	Out	In I	Out	Total	Overtime	нто	Meal Notes
05/04/2008 Sun	8:41	+12:00	+12:30	20:12	11:01	0:00	11:01	0:00
05/05/2008 Mon	17:16	6:52			13:36	0:00	24:37	0:00
05/06/2008 Tue	17:06	5:42			12:36	0:00	37:13	0:00
05/07/2008 Wed	+17:05	+23:00	+23:30	6:01	12:26	9:39	49:39	0:00
05/08/2008 Thu	None				0:00	0:00	49:39	0:00
05/09/2008 Fri	16:45	6:52			14:07	14:07	63:46	0:00
05/10/2008 Sat	None				0:00	0:00	63:46	0:00
Department	Reg	<u> </u>	<u>Vac</u>	Sick	<u>Hol</u>	<u>Per</u>	Other	<u>Total</u>
Disposal Facility	40:00	23:46	0:00	0:00	0:00	0:00	0:00	63:46
Totals	40:00	23:46	0:00	0:00	0:00	0:00	0:00	63:46
Employee Signature	_			Date	·			
Approved By				 Date	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
, pp. 0100 By				Date	•			
Notes:								

Employee Timecard Report

CES Environmental Services, Inc 05/11/2008 - 05/17/2008

HTO - Hours Toward Weekly Overtime

? Exception

+ Added Item
* Tardy

{ Previous Day Punch Badge: 125 ID: 0080

Garcia, Salvador (Disposal Facility)

Garcia, Garvador	(Disposu	aoy,						•
Date	In In	Out	ln l	Out	Total	Overtime	нто	Meal Not
05/11/2008 Sun	9:08	18:27			9:19	0:00	9:19	0:00
05/12/2008 Mon	17:10	6:22			13:12	0:00	22:31	0:00
05/13/2008 Tue	17:41	6:49			13:08	0:00	35:39	0:00
05/14/2008 Wed	17:15	+23:00	+23:30	7:21	13:36	9:15	49:15	0:00
05/15/2008 Thu	16:55	+23:00	+23:30	7:21	13:56	13:56	63:11	0:00
05/16/2008 Fri	17:00	+23:00	+23:30	6:23	12:53	12:53	76:04	0:00
05/17/2008 Sat	None				0:00	0:00	76:04	0:00
<u>Department</u>	Reg	<u>70</u>	<u>Vac</u>	Sick	<u>Hol</u>	<u>Per</u>	Other	<u>Total</u>
Disposal Facility	40:00	36:04	0:00	0:00	0:00	0:00	0:00	76:04
Totals	40:00	36:04	0:00	0:00	0:00	0:00	0:00	76:04
					· 			<u></u>
Employee Signature				Date	•			

Approved By Date

Notes:

<u>Date</u> <u>Editor</u> <u>Text</u> None Listed

EPAHO043000340

Employee Timecard Report

CES Environmental Services, Inc 05/18/2008 - 05/24/2008

HTO - Hours Toward Weekly Overtime

? Exception

+ Added Item
* Tardy

{ Previous Day Punch Badge: 125 ID: 0080

Garcia, Salvador (Disposal Facility)

Date	in the second	Out	The Indian	Out	Total	Overtime	нто	Meal Notes
05/18/2008 Sun	9:15	19:23	\$500 \$ 1000 \$ 100	And a contract of the state of	10:08	0:00	10:08	0:00
05/19/2008 Mon	16:41	8:01			15:20	0:00	25:28	0:00
05/20/2008 Tue	17:05	6:49			13:44	0:00	39:12	0:00
05/21/2008 Wed	13:00	14:34	17:32	?	?	?	?40:46	0:00
05/22/2008 Thu	None				0:00	0:00	?40:46	0:00
05/23/2008 Fri	None				0:00	0:00	?40:46	0:00
05/24/2008 Sat	None				0:00	0:00	?40:46	0:00
<u>Department</u>	Reg	<u> </u>	<u>Vac</u>	Sick	<u>Hol</u>	<u>Per</u>	<u>Other</u>	<u>Total</u>
Disposal Facility	?40:00	?0:46	?0:00	?0:00	?0:00	?0:00	?0:00	?40:46
Totals	?40:00	? 0:46	70:00	?0:00	?0:00	?0:00	?0:00	?40:46
Employee Signature				Date	 e			
Approved By				Date	9			

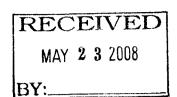
 otes	

<u>Date</u> None Listed **Editor**

<u>Text</u>



May 22, 2008



Claim & Information Services P.O. Box 12029 Austin, TX 78711-2029 1-800-859-5995 (512) 224-3800

Fax

(512) 224-3889

C E S ENVIRONMENTAL SERVI

4904 GRIGGS RD HOUSTON, TX 770213208

Re: Claim #: 99J0000531020

> Employee: Soc. Sec.:

Employer: C E S ENVIRONMENTAL SERVI

Date of Injury: 05/07/2008

DWC#:

In accordance with the Division of Workers' Compensation Rules, we are requesting that you submit the information indicated below. The DWC3 and DWC6 forms are available for printing from our website, www.texasmutual.com, under services, or from the division's website, www.tdi.state.tx.us. For your convenience, a DWC3 is now available for you to complete and submit on-line. It is located on our website, www.texasmutual.com under the Employers - Loss Run & Claims Detail Section. If you need assistance with filing the DWC3 on-line please contact me. If you do not have access to the Internet, we will be happy to send you a blank form.

⊠ OB	DWC3 EMPLOYER'S WAGE STATEMENT (Rule 128.2) - Please fax or email attachment or use the on-line version (www.texasmutual.com).
OR	DWC3SD EMPLOYER'S WAGE STATEMENT FOR SCHOOL DISTRICTS (Rule 128.7)
\boxtimes	DWC6 EMPLOYER'S SUPPLEMENTAL REPORT OF INJURY OR ILLNESS (Rule 120.3) - Please fax or email attachment. The following time frames apply.
	 Within 10 days after: The end of each pay period in which the employee's earnings have changed as a result of the injury, OR The employee returns to work, or the employee, after returning to work experiences an additional day(s) of disability as a result of the injury. Within 3 days after: The employee begins to lose time from work as a result of the injury, OR The employee returns to work, or the employee, after returning to work experiences an additional days(s) of disability as a result of the injury
AND	EMPLOYEE ACKNOWLEDGEMENT OF WORKERS' COMPENSATION NETWORK FORM (This form(s) shall be completed, signed and submitted). Please fax or send attachment via email as soon as possible.
	COPY OF THE POST-ACCIDENT DRUG SCREEN RESULTS
	provide the required information is an administrative violation and may result in the assessment of a penalty from the Division of Compensation.

Thank you for your prompt attention to this matter. If you have any questions, please call me at 1-800-859-5995 ext. 2115.

Sincerely,

Phillip W Smith/MC

Phillip W Smith WORKERS' COMPENSATION SPEC II getatiles Accident

At 9:45 P.M. on FM 1960 W @ Jones Rd. in North Houston, I was involved in a minor collision. I was exiting and taking a left across a three lane road trying to get into the median to merge onto 1960 westbound. Simultaneously, a Blue Ford Ranger was attempting the exact same turn and we collided in the median. Both the other driver and I incurred damage to the driver's side front end, but were not injured in the accident.

Durim Tafilaj

CES Environmental Services, Inc.

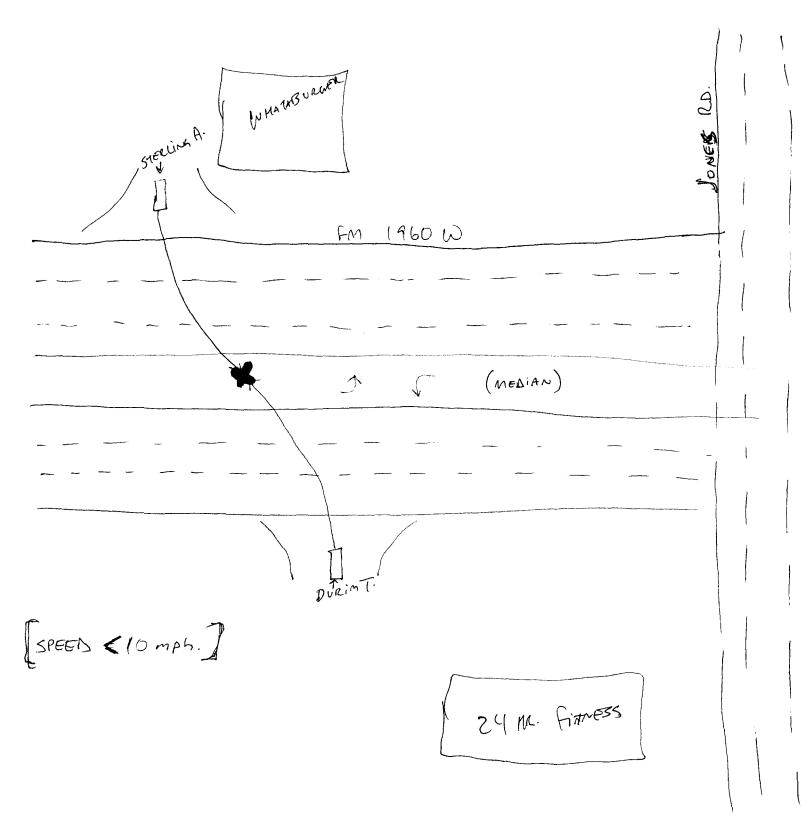
STERLING ARMSTEAD

TX DIH. (b) (6)

TEL:

INSH.

COMPANY:





APR 1 8 2008

AIG Domestic Claims, Inc. Property/Casualty Division

P.O. Box 25588 Shawnee Mission, KS 66225 (800) 242-2987 (all other) Fax (866) 723-0109 (new losses) Fax (866) 854-4926

AUTOMOBILE LIABILITY NEW CLAIM ACKNOWLEDGEMENT

April 15, 2008

CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON, TX 77021

RE:

Insured

: CES ENVIRONMENTAL SERVICES INC

Carrier

: Commerce & Industry

Date of Loss

: 04/09/2008

Date Reported

: 04/10/2008

Claim Number

: 684-226715

Date Received

: 04/10/2008

This letter will confirm receipt of the above referenced claim.

ADDITIONAL CLAIM INFORMATION:

Policy Number

: 005062132

Loss Location

: 1960 WEST & JONES RD HOUSTON, TX

Description of Loss

: BOTH OTHER'S VEHICLE & INSD'S VEHICLE NOT CLAIMING FAULT/IV &

OV BOTH CROSSED LANES TO MEDIAN TO TUR

Insured Driver

: TAFILAJ DURIM

RISK ANALYSIS INFORMATION:

Level 1:			 	
Level 1: Level 2:		<u></u>	 	
Level 3:			 	
Level 4:			 	
Level 5:				
Level 6:				

CLAIMANT INFORMATION:

Symbol Name 001 STERLING ARMSTEAD 002 CES ENVIRONMENTAL SERVICES

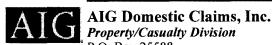
MJC 007

If you have any comments or questions, please feel free to contact me. Kindly refer to the

009

If you have any comments or questions, please feel free to contact me. Kindly refer to the above claim number on any correspondence.

Sincerely, ELIZABETH WALTER FAST TRACK REP 251-PC OVERLAND PARK, KS (913) 338-9298 ELIZABETH.WALTER@AIG.COM Original PART 0 5 2008



P.O. Box 25588 Shawnee Mission, KS 66225 (800) 242-2987 (all other) Fax (866) 723-0109 (new losses) Fax (866) 854-4926

AUTOMOBILE LIABILITY CLOSED CLAIM NOTICE

April 30, 2008

CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON, TX 77021

RE:

Insured

: CES ENVIRONMENTAL SERVICES INC

Carrier

: Commerce & Industry

Date of Loss

: 04/09/2008

Date Reported

: 04/10/2008

Claim Number

: 684-226715

Date Received

: 04/10/2008

The above captioned claim has been closed. The following amounts were paid on the claim:

Symbol Claimant

MJC

Indemnity

<u>Medical</u>

Legal

001 STERLING ARMSTEAD 007

002 CES ENVIRONMENTAL SERVICES 009

ADDITIONAL CLAIM INFORMATION:

Policy Number

: 005062132

Loss Location

: 1960 WEST & JONES RD HOUSTON.TX

Description of Loss

: BOTH OTHER'S VEHICLE & INSD'S VEHICLE NOT CLAIMING FAULT/IV &

OV BOTH CROSSED LANES TO MEDIAN TO TUR

Insured Driver

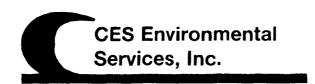
: TAFILAJ DURIM

RISK ANALYSIS INFORMATION:

Level 1:		 	 	
Level 2:				
Level 3:			 	
Level 4:				
Level 5:		 		
Level 6:		 	 	

Thank you for allowing us to serve you on this claim. Please contact me if you have any questions or comments.

Sincerely, **ELIZABETH WALTER** FAST TRACK REP 251-PC OVERLAND PARK, KS (913) 338-9298 ELIZABETH.WALTER@AIG.COM Original



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Fax

accident.

To: CHAD	From:	Prabhakar R. Thangudu				
		Mobile: (281) 433-9792				
713-966-1700	Pages:					
Phone:	Date:					
Chad:						
Please give	me	a call if yo	'n			
have any quest.	ons	on Durim's				

Tranks, Robban

FC-X 113-966-1700

Coventry Health Care Secure Email

Coventry Health Care Secure Email Message View Signed in as gbowman@cesenvironmental.com

Received:

Apr 14, 2008 10:51:42 MDT

Expires:

Jun 13, 2008 10:51:42 MDT

From:

support-reportintake@firsthealth.com

To:

gbowman@cesenvironmental.com,

gbowman@cesenvironmental.comgbowmancesenvironmental.com

Cc:

Subject:

Reference #1786887, CES ENVIRONMENTAL SERVICES INC, BURIM

TAFLIAJ froizix

Attachments:

E1786887-2338596.pdf

The First Report of Injury/Illness/Exposure referenced below is attached

Employer Location: CES ENVIRONMENTAL SERVICES INC

Reporting Person: JUDY PAVELECKY

Phone #: (877) 818-0139 Reporting Date: 2008-04-14

Owner: CES ENVIRONMENTAL SERVICES INC

Insured Driver: BURIM TAFLIAJ

Line of Business: ATLB State of Jurisdiction: TX Date of Loss: 2008-04-09

Notice Type: LOSS

Email Confidentiality Notice: The information contained in this transmission is confidential, proprietary or privileged and may be subject to protection under the law, including the Health Insurance Portability and Accountability Act (HIPAA).

The message is intended for the sole use of the individual or entity to whom it is addressed. If you are not the intended recipient, you are notified that any use, distribution or copying of the message is strictly prohibited and may subject you to criminal or civil penalties. If you received this transmission in error, please contact the sender immediately by replying to this email and delete the material from any computer.

This message was secured by ZixCorp(R).

This message was secured by Zixeorp(it)

Coventry Health Care Secure Email

Secured by ZixCorp

		Δ	UTOMOB	IIF	LOSS	NOTI	C.F.				
Agent Name and Address Phone #			<u></u>	Reference #	1786887		Location	on# N	ONE		
rigona radio de			Policy # 005062132								
• FEIN			Effective Date	01/25/2008	з Е	Expiration Date 01/25/2		1/25/2009			
Insured Name	and Address	Pł	none # (713) 419	-6076	Carrier Name and Address Phone #						
CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON, TX 77021-3208 FEIN				COMMERCE AND INDUSTRY 70 PINE ST FEIN 13-1938623 NEW YORK, NY 10270							
Loss Inforr	nation				Description of Accident						
Date/Time of A	Accident 04/09/2	008 09: 4 5 PM	Previously Reported	d? No	INS VEH WAS PULLING OUT OF DRIVEWAY/VEH 1 WAS PULLING OUT OF DRIVEWAY/INS VEH AND VEH 1 COLLIDED						
Location of Accident State TX County ALL FM 1960 AND WINDFERN HOUSTON, TX				DRIVENAI/ING VEH AND VEH I COHELDED							
Insured Conta	ct Name and Addr	ress Ph	one #		Authorities Contacted? NO						
GREG BOWMA 4904 GRIGG	S RD		Employer Notified 04/0		Violations/Citations						
HOUSTON, T	X 77021-3208		Notified 04/0	9/2008	Report #						
		ation (for adjus	ter's use only)								
Bodily II Per Person	njury Limits Per Accident	Property Damage	age Single Limit Medic		cal Payment	Payment OTC Deductible		Collision	Deductible	Other Co	verage
			_								
Insured Ve	hicle Informa	tion					V.I.N. UI	NKNOWN			
Make NISSAN	М	odel FRONTIER	Body Type	PICKUP		Year 2003	Tag# (b)	State TX Permission?			
Owner's Name	and Address	Pho	one# (713) 419	-6076	Estimate Amount Purpose of Use COMMERCIAL						
CES ENVIRO	NMENTAL SERVICE S RD	S INC			Describe Damage FRONT AND LT FRONT						
HOUSTON, T	X 77021-3208				Other Insurance NONE						
Driver's Name and Address Phone #				Relation to Insured UNKNOWN Where can Damage be seen							
BURIM TAFL	IAJ				CONTACT INSURED						
HOUSTON, T	X 77069		SSN		When can Damage be seen CONTACT INSURED						
Other Prop	erty Damage	Information									
Owner Name a	and Address	Pho	ne #		Extent of Estimate of Damage FRONT AND LT FRONT of Damage						
(b) (6)					Insurance Policy # UNK						
					Company/Agent Name PROGRESSIVE						
Describe Proper	ty 2003/FORD/RANG	GER/UNK			Where can Damage be seen License # CONTACT CLAIMANT UNKNOWN						
Driver's Name and Address (b) (6)				Phone #							
Injured Info	ormation				, "			•			
			lame and Address Phone # Age					Age			
Location			Location								
Extent of Injury Ex				Extent of Injury							
Witness In	formation										
Name Address			City		St	Zip	Ph	Phone			
Name Address		City		St	Zip Phone						
Additional Comm	nents				<u> </u>						
Date Reported		Reported Via - 0	<u>.</u>	Title sur	BBROGATION		Signature	of Agent	or Insured		
04/1 Automobile Notice F	4 / 2008 Rev. (10/95) FRAU	(877) 818-0139 D STATEMENT "Any pers	9	ts false or frau	udulent underwriting	information, files	or causes to	be filed a fals	e or fraudulen	claim for compe	ensation or

FRAUD STATEMENT -- "Any person who knowingly presents false or fraudulent underwriting information, files or causes to be filed a false or fraudulent claim for compensation or benefits or submits a false or fraudulent report or billing for services is guilty of fraud and may be subject to fines or other punishments allowable by law."

CLIENT ADDITIONAL INFORMATION

Division Code: NONE Description:
Location Code: NONE Description:
Department Code: NONE Description:
Section Code: NONE Description:
Floor Code: Description:
Mail Stop Code: Description:

Do the circumstances of this incident potentially involve the release or spillage of hazardous materials?: UNKNOWN

Ref #: 1786887

Insured Fax #:

Address: 4904 GRIGGS RD

City: HOUSTON St: TX Zip: 770213208

Insured Contact Name: UNKNOWN

Work Phone #:

Ext #:

Cell Phone #: Email Address:

What is the best time and method of contact: UNKNOWN

Additional comments: CALLER PROVIDED CLAIMANTS CLAIM NUMBER 083112918

Branch Code: 684

Joe-4274 Wilson, F44

Federal Aviation Administration Southwest Region

2601 Meacham Blvd. Fort Worth, Texas 76137-4298

Irna Rewalls

June 27, 2008

CERTIFIED MAIL - 7004 2510 0005 5868 5354

Mr. Karl A. Guidry
HSE Manager
CES Environmental Services, Inc.
4904 Griggs Road
Houston, Texas 77021

0

Dear Mr. Guidry:

EIR: 2008SW700169

This letter is to inform you that the Federal Aviation Administration (FAA) is investigating alleged violations of the Hazardous Material Regulations (HMR) codified in Title 49 Code of Federal Regulations (CFR) Parts 100 through 185 and/or the International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air by your organization. On or about April 17, 2008, CES Environmental Services, Inc., Waco, Texas, offered two shipments containing hazardous materials, specifically a product classified as Flammable Liquid, N.O.S., 3, UN1993, PGII, to DHL Worldwide Express (Airbill Numbers 37990076143 and 37990076246) for air transportation in commerce from Waco, Texas to Houston, Texas. The technical name of the products was not provided on the hazardous materials shipping papers as required.

On June 26, 2008, it was discovered that CES Environmental Services, Inc., Waco, Texas, failed to include a description, copy or the location of the training materials utilized, and the name and the address of the individual providing the training. Additionally, the record of training provided to this office failed to include a certification indicating that the employee has been trained and tested as required. Hazardous material shipments must meet specific requirements for transportation in commerce, as required by the HMR. Non-compliance is considered a violation of the regulations. Under the provisions of Title 49, United States Code 5123(a)(1), persons (as defined in Title 49 CFR 171.8) in violation of the HMR are subject to a civil penalty of up to \$50,000 for each violation, and in some instances criminal penalties.

The FAA would like to provide your organization an opportunity to furnish any information concerning mitigating or extenuating circumstances surrounding these alleged violations. As we would like to resolve this matter promptly, your reply will be needed within ten (10) working days from the receipt of this letter. If we do not hear

from you within the specified time, our report will be processed without the benefit of your response. Please address any correspondence directly to Special Agent Paul Klimas, P.O. Box 0802, Burleson, TX 76097. If additional information is required regarding this matter, please contact Agent Klimas at (817) 538-0453.

Sincerely,

Bryan E. Buchanan

Post harm

Manager, Hazardous Materials Section

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY				
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: U. S. Dopt of Transportation Federal Aviation Administration	A. Signature X				
P.O. Box 0802 Burleson, TX 76097	3. Service Type □ Certified Mail □ Express Mail □ Registered □ Insured Mail □ C.O.D. 4. Restricted Delivery? (Extra Fee) □ Yes				
	The second powers, (Extra 100)				
2. Article Number 7005 3110 000	3 0492 7073				
PS Form 3811 February 2004 Domestic Retu	rn Peceint 100505 00 M 1540				

UNITED STATES POSTAL SERVICE



First-Class Mail Postage & Fees Paid USPS Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

CES ENVIRONMENTAL SUCS, INC. 4904 GRIGGS RD. Houston, TX 77021 Atn: KARL Guidry

FAA RESPONSE

Hardhardhardadhadhadadhardadharaladha

EPAHO043000357

U.S. Department of Transportation

Federal Aviation Administration GRATIFIED WATE



7004 2510 0005 5868 5354

016-2651284

\$05.730 06-21-2002 US POSTAGE

Official Business Penalty for Private Use \$300 Mr. Karl A. Guidry HSE Manager CES Environmental Services, Inc. 4904 Griggs Road Houston, Texas 77021

FAA Form 1360-3 (4/94) (NSN 0052-00-882-3000)



CLAIM#	99J00005#8321
Carrier #	

SUPPLEMENTAL REPORT OF INJURY

Part I EMPLOYER INFORMATION					
1. Employer business name	10 5 7		2. Employer phone		
CES Environnenta	A JURVICES, I	<u> </u>	713-676-1	460	
3. Employer mailing address	Houston, TX	77211			
4. Insurance carrier name	TTOUSTON, IN	11071			
TEXAS Mulual					
5. Does the employer have return to work (DTM appertunities sucilable	based on the injured week	var's aumont comphilities	~2	
If so, identify contact person ar		based on the injured work	er's current capabilities	sr yes no no	
6. Has the insurance carrier provided RTW (coordination services within the	ne past 12 months? yes	Date	no	
7. Has the employer requested RTW training	g from DWC or the insurance	carrier? yes		no 🕡	
8. Has the insurance carrier provided accide	ent prevention services in the	past 12 months? yes	Date	no 🔽	
Has the employer requested accident pre	vention services from the insu	urance carrier? yes		no no	
Part II REASON FOR FILING THIS	REPORT (deadlines	vary, see instruction	ns)		
10. a. The injured worker returned to	o work in either a full or limite	d capacity: File this repor	t within 3 days.		
b. The injured worker is earning	more or less than the pre-inju	ury wage because of the in	njury: File within 10 da	ys.	
c. The injured worker returned,	then later had additional lost t	time or reduced wages as	a result of the injury: F	File within 3 days.	
d. The injured worker resigned of	or was terminated from emplo	yment: File within 10 day	S.		
Part III INJURED WORKER INFOR	RMATION				
(b) (6)		12. SSN (last 4 digits) XXX-XX-	(0)	13. DOI 4-22-08	
(b) (6)	0# .				
			al bank kinna		
wages for this injury (mm/dd/yyyy)	23-08	or reduced wages (mm/dd/yyyy) // 0 /	IE	
17, Has the injured worker experienced 8 day If yes, the date of the 8 th day (mm/dd/yyy		reduced wages as a resu	It of the injury?	yes no 🔀	
18. Date of most recent RTW 4-24-08	19. Has the injured worker	resigned, been terminated	I or died?	yes no 🔀	
Full duty, full pay	date of resignation	date of termination	on dat	e of death	
Limited duty, full pay	19a. Reason for resignation				
Limited duty, reduced pay	19b. Was the injured worker	on limited duty when term	ninated?	yes no no	
20. Hours the injured worker was working du	ring the pay period of	21. Weekly/hourly earn	ings for the pay period	of	
7:00 Am to 5:00 fm : 5	hours per week	to : \$	weekly o	r \$	
Indicated hours are:		Indicated wages are:			
Increase from pre-injury	Increase from pre-injury wage				
Same as pre-injury	Same a pre-injury wage				
Decrease from pre-injury			from pre-injury wage		
This form to be filed with: The employ	er's insurance carrier and t	he injured worker in the	timeframe as noted in	n Part II.	
22. To the best of my knowledge the information	ation provided in this report is	accurate and may be relie	ed upon for avaluation	of eligibility for bonefits	
		Vorker (If no longer workin			
V 11 1		(<u></u>	g : 1. a.e employer will		
Luddhada HSE	Manager	5.	30-08		
Signature and Title of person completing this fo	rm / J	Date	<u> </u>		



CES RENTED BOX:	YES NO	CUSTO	MER RENTED BOX:	YES N	NO		
AMOUNT OF HOSE NEEDED:	60ft		DRUM DOLLY NEEDED:	YES	□ NO		
SIZE:	2 or 3"		PALLET JACK NEEDED:	YES	□ NO		
LOADING FROM (i.e. Tank):	Tank		CAN CUSTOMER LOAD W	ITH FORKLI	IFT TYES	□ NO	
SIZE OF FITTING:	3"		Note: Pallets are only good if they drive the forklift into the				
TYPE OF FITTING:	Cam Lock		trailer. Otherwise, it is a huge and painful experience for to driver. If pallets are used, then the drums must be shrink wrapped.				
FIELD SERVICE WORK							
HELPER REQUIRED: YES	□ NO IF YES	S, HOW N	IANY? 0				
EQUIPMENT NEEDED:							

Saturday, April 26, 2008

Page 2 of 2

Statement from To Cerom it may concern I everalt hight at hubigal and was coming around and Saw that I hil a hence But I was 6 inchs from Curb, to one Hence over already Domaged I cought hence with Trails oningle Side Me domace to Traile did not That lit with Tires pape Shook in under Tube hore Bracket. el thank point was Stirting out but I dichook see it for in here For Fane not to have not Bon Damaged Balons



Claim & Information Services P.O. Box 12029

1-800-859-5995 (512) 224-3800

(512) 224-3889

Austin, TX 78711-2029

May 22, 2008



C E S ENVIRONMENTAL SERVICES I

4904 GRIGGS RD HOUSTON, TX 770213208

Re: 99J0000528321 Claim #:

Employee:

Soc. Sec.:

C E S ENVIRONMENTAL SERVICES I Employer:

Date of Injury: 04/22/2008

DWC #:

In accordance with the Division of Workers' Compensation Rules, we are requesting that you submit the information indicated below. The DWC3 and DWC6 forms are available for printing from our website, www.texasmutual.com, under services, or from the division's website,

www.tex	state.tx.us. For your convenience, a DWC3 is now available for you to complete and submit on-line. It is located on our website, asmutual.com under the Employers - Loss Run & Claims Detail Section. If you need assistance with filing the DWC3 on-line please le. If you do not have access to the Internet, we will be happy to send you a blank form.
□ OR	DWC3 EMPLOYER'S WAGE STATEMENT (Rule 128.2) - Please fax or email attachment or use the on-line version (www.texasmutual.com).
	DWC3SD EMPLOYER'S WAGE STATEMENT FOR SCHOOL DISTRICTS (Rule 128.7)
\boxtimes	DWC6 EMPLOYER'S SUPPLEMENTAL REPORT OF INJURY OR ILLNESS (Rule 120.3) - Please fax or email attachment. The following time frames apply.
	 Within 10 days after: The end of each pay period in which the employee's earnings have changed as a result of the injury, OR The employee returns to work, or the employee, after returning to work experiences an additional day(s) of disability as a result of the injury. Within 3 days after: The employee begins to lose time from work as a result of the injury, OR The employee returns to work, or the employee, after returning to work experiences an additional days(s) of disability as a result of the injury
□ AND	EMPLOYEE ACKNOWLEDGEMENT OF WORKERS' COMPENSATION NETWORK FORM (This form(s) shall be completed, signed and submitted). Please fax or send attachment via email as soon as possible.
	COPY OF THE POST-ACCIDENT DRUG SCREEN RESULTS
	provide the required information is an administrative violation and may result in the assessment of a penalty from the Division of Compensation.

Thank you for your prompt attention to this matter. If you have any questions, please call me at 1-800-859-5995 ext. 2107.

Sincerely,

Latonica N Ray/MC

Latonica N Ray MEDICAL WORKERS' COMP SPEC



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676



то: Alicia From: Karl Guidry

Mobile: (832) 287-0862

Fax: 1-901-762-6387 Pages: 8 Pages to follow

Attn: Date: May 5, 2008

See attached documentation regarding our employee (b) (6)

Karl Guidry CES Environmental Services, Inc. HSE Manager 4904 Griggs Rd Houston, Texas 777021

713-676-1460 Ext 115 713-676-1676 Fax kguidry@cesenvironmental.com ********* -IND. XMT JOURNAL- ********** DATE MAY-05-2008 **** TIME 15:36 ******

DATE/TIME = MAY-05-2008 15:33

JOURNAL No. = 117

COMM. RESULT = OK

PAGE(S)

= 009

DURATION

= 00:01:51

FILE No.

= 072

MODE

= MEMORY TRANSMISSION

DESTINATION = 19017626387

RECEIVED ID = / 9017626385

RESOLUTION = STD

-CES Environmental Service-

**** DP-3010 ************ -

- **** - 713 676 1676- *******



04/28/2008

C E S ENVIRONMENTAL SERVICES I 4904 GRIGGS RD HOUSTON TX 77021-3208

Notification Confirming Receipt of Claim

Date of Injury:

04/22/2008

Injured Worker: Claim Number:

(b) (6)

Policy Number:

0001086044

Attached is a copy of the information another party reported to Texas Mutual Insurance Company which was used to establish this claim. You may submit additional claim information to Texas Mutual Insurance Company. If you have questions regarding this report of injury please contact us at (800) 859-5995.

If your policy includes our workers' compensation health care network option you are required by law to obtain a second Employee Acknowledgement of Workers' Compensation Network Form signed by the injured worker. Please submit a copy of the signed, second acknowledgement form to Texas Mutual Insurance Company. You can find a copy of the form online at www.texasmutual.com/hcn/hcn.shtm

Below please find information that will help you through the claim process:

To submit additional claim information:

To locate a treating doctor:

Mail to: P. O. Box 12029

www.texasmutual.com/workers/iwADL.shtm

Austin, Texas 78711-2029 Fax to: (512) 224-3889

To contact the handling adjuster:

Call: (800) 859-5995

Monday - Friday; 8:00 a.m. - 5:30 p.m.

To obtain a copy of the Employer and Employee Rights and Responsibilities in the

Workers' Compensation System:

www.texasmutual.com/employers/erRights.shtm

To locate a pharmacy, or for pharmacy questions, contact Scripnet:

Call: (888) 880-8562 www.scripnet.com

To obtain a copy of the Employer and Employee Rights and Responsibilities for the workers' comp health care network:

www.texasmutual.com/hcn/hcn.shtm

Additional Texas Mutual® online services at www.texasmutual.com, available 6 a.m. - 9 p.m., include:

- o Obtain logon id, or for immediate logon id, call (800) 859-5995, M-F, 8:00 a.m. 5:30 p.m.
- o Submit first report of injury in the Employers section
- o Submit wage statement when reviewing loss runs and claim details
- o Obtain specific claim summary information



Claim Number:

99J0000528321

Notification Date: 04/24/2008

EMPLOYER'S FIRST REPORT OF INJURY

INJURED EMPLOYEE

Name: SSN:

XXX-XX(b)

Mailing

Address:

County:

Physical Address:

County:

Home Phone:

Date of Birth: 00/00/0000 Marital Status: Unknown

Gender:

Male

Dependents: 00

Language:

English

MEDICAL PROVIDER

Name: RASHID KHAN MD

Tax ID:

Address: 10909 EAST FRWY

HOUSTON TX 77029

Phone: (713)973-7943

Ext:

Fax:(713)973-7947

ATTORNEY

Represented by Attorney:

Name:

Phone:

BUSINESS/EMPLOYER

Name: CESENVIRONMENTAL SERVICES I

Address:

4904 GRIGGS RD

HOUSTON TX 77021-3208

Phone: (713)676-1460 **Ext:**

Fax: (713)676-1676

Policy Number:

0001086044

FEIN:

760592985

Location ID:

EMPLOYMENT

Occupation:

Hire Date: 00/00/0000 State:

Partner/Officer/Owner:

Date Lost Time Began:

00/00/0000 04/24/2008

Return to Work Date:

Last Paycheck was:

Wage:

Frequency:

Hours/Week:

Days/Week:

Period Start: 00/00/0000

Period End: 00/00/0000

Supervisor Name:

Phone:

Ext:

PREPARER OF REPORT

Name:

Phone: Email:

Ext:

Fax:

INJURY INFORMATION

Date of Injury: 04/22/2008

Time: 00:00

Address Where Injury Occurred:

Date Reported: 00/00/0000

Nature of Injury: FOREIGN BODY

Cause of Injury: MISC. CAUSES-FOREIGN

MATTER(BODY) IN EYE(S)

County:

Witnesses: Name:

Phone:

Phone:

Name:

Part of Body: **Fatality:**

No

Name:

Phone:

How and Why the Injury/Illness Occurred

EYE(S)

CONJUNCTIVITIS; RT/LT EYES. PER DWC-73, PATIENT STATES, "I OPENED A VALVE AND SOME SUFURIC ACID WENT INTO BOTH MY EYES." CLAIM CREATED FROM DWC-73.

Employee Acknowledgment of Workers' Compensation Network

I have received information that tells me how to get health care under my employer's workers' compensation insurance.

If I am hurt on the job and live in a service area described in this information. Lunderstand that:

- 1. I must choose a treating doctor from the list of doctors in the network. Or, I may ask my HMO primary care physician to agree to serve as my treating doctor. If I select my HMO primary care physician as my treating doctor, I will call Texas Mutual at (800) 859-5995, extension 2880 to notify them of my choice.
- 2. I must go to my treating doctor for all health care for my injury. If I need a specialist, my treating doctor will refer me. If I need emergency care, I may go anywhere.
- 3. The insurance carrier will pay the treating doctor and other network providers.
- 4. I might have to pay the bill if I get health care from someone other than a network doctor without network approval.

5(b) (6)	ation claim is a cri	me that may result in	
		70-0 <u>9</u> Date	Ž
Finned Name			
(b) (6) I live at: (b) (6)			
City	State	Zip Code	
Name of Employer: ES Envision menta	Services.	Inc	
Name of Network: Texas Star Network _{SM}			
Network service areas are subject to change. Call (800) 381-8067 if you need a network tro		·.	

Please indicate whether this is the:

Initial Employee Notification

Injury Notification (Date of Injury: 4/22/08)

DO NOT RETURN THIS FORM TO TEXAS MUTUAL INSURANCE COMPANY UNLESS REQUESTED

Employee Notice of Network Requirements - 03/06

Employee - You are required to report your injury to your employer within 30 days if your employer has workers' compensation insurance. You have the right to free assistance from the Texas Workers' Compensation Commission and may be entitled to certain medical and income benefits. For further information call your local Commission field office or 1(800)-252-7031.



Trabajador - Ea nacesario que uated reporte su leston a su empleador dentro de 30 dias a partir del día en que se lestonó, si su empleador tiene seguro de compensación para trabajadores. la Comisión Tejans de Compensación para Trabajadores le ofrece satistenda gratuita, también puede que uated tenga derecho a cierco beneficios medicos y monetarios. Para mayor información illame a la oficina local de la Comisión 1-800-252-7031.

TEXAS WORKE	KO COMPENSATION W	OKK SIX				
PART I: GENERAL INFORMATION	. Doctor's Name and Degree Rashid Khan, MD		(for transmission purposes only)	Date Being Sent		
1. injured Employee's Name	Clinic/Facility Name		9. Employer's Name			
(b) (6)	1 '			CES Environmental		
				0. Employers Fax = or Email Address (if known)		
04/22/2008	713)973-7943 (713)973-7947	7	(713)676-1676	· · · · · · · · · · · · · · · · · · ·		
	Clinic/Facility/Doctor Address (street address)		11. Insurance Carrier			
Patient states:"I opened a valve and some sufuric	10909 East Frwy		Texas Mutual Insurance Co	MDARV		
a cld wast late both my avae "	lty State Zip		12. Carrier's Fax # or Email Add			
	louston TX 77029		(512)322-3889	(,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	7,7020		(012/322-3000			
PART II: WORK STATUS INFORMATION			ES AND DESCRIPTION IN 13(c) AS APPLICABLE)		
13. The injured employee's medical condition re	-					
X (a) will allow the employee to return to we						
(b) will allow the employee to return to we		restrictions	identified in PART III, w	nich are		
expected to last through	_ , -					
(c) has prevented and still prevents the em						
through(date). The follow	ring describes how this injury preven	ite the employ	ee from returning to work:			
PART III: ACTIVITY RESTRICTIONS' (F	FOURED IF BOY 13(b) IS CHEC	KED)				
TARTIII. ACTIVITY RESTRICTIONS (F	LAPINED II BOX 13(B) IS CITED	neb)				
14. POSTURE RESTRICTIONS (If any) :	17. MOTION RESTRICTIONS (H	fany):	19. MISC. RESTRIC	CTIONS (If any):		
Max Hours per day: 0 2 4 6 8 Other	Max Hours per day: 0 2 4	6 8 Other	Max hours per	day of work:		
Standing	Walking	OO	Sit/Stretch brea	ks ofper		
Sitting	Climbing stairs/ladders		Must wear splin	t/cast at work		
Kneeling/Squatting	Grasping/Squeezing		Must use crutcl	nae at all timae		
Bending/Stooping	Wrist flexion/extension	UU	No driving/oper	ating heavy equipment		
Pushing/Pulling	Reaching		Can only drive	automatic transmission		
	Overhead Reaching		No work/	ha rendela made		
Twisting UUUUU			. ☐ No work ☐	hours/day work:		
Other:	Keyboarding	IЦЦ ——	in extreme	hot/cold environments		
15. RESTRICTIONS SPECIFIC TO (If applica	nie); Other:		at heights of	or on scaffolding		
L Hand/Wrist R Hand/Wrist	18. LIFT/CARRY RESTRICTION	IS (if any):	Must keep			
L Arm R Arm Ne			i — <u> </u>	Clean & Dry		
			_ _ _			
L Leg R Leg Ba		•	No skin contac	t with:		
L Foot/Ankle R Foot/Ankle	May not perform any lifting/c	arrying	Dressing chang	ges necessary at work		
Other:	Other:		- No running			
16. OTHER RESTRICTIONS (if any):	•		20. MEDICATION F	RESTRICTIONS(if any):		
			Must take preso	ription medication(s)		
			_ 	over-the-counter meda		
*These restrictions are based on the doctor's best under	resending of the employee's essential job fur	notions, if a partic	- =	make drowsy (possible		
restriction does not apply, it should be disregarded. If r	· · · · · · · · · · · · · · · · · · ·		netien -	• "		
should be considered to be off work. Note - these restr	•		safety/driving is	sues)		
DART OF TREATMENT/FOLLOW UP AR	CONTROL INCOMATION					
PART IV: TREATMENT/FOLLOW-UP AP						
	Expected Follow-up Services Include					
	valuation by the treating doctor on_04) at_ 10:00 am _am/pm		
	Referral to/Consult with) at am/pm		
	Physical medicineX per week for	weeka atan) at am/pm		
	Special studies (list):		on (date			
	lone. This is the last scheduled visit for	or this problem.	At this time, no further med	dical care is anticipated		
Date / Time of Visit EMPLOYEE'S SIGNATURE	DOCTOR'S SIGNATURE	Visit Type:	Role of Doctor:	▼ Treating doctor		
04/24/2008 11:27 an		X initial	Designated doctor	Referral doctor		
Discharge Time		_	Carrier-selected RME	Consulting doctor		
04/24/2008 01:07 pn/	I I	Follow-up	DWC-selected RME	Other doctor		

DWC FORM-73 (Rev. 10/05) Page 1



DIVISION OF WORKERS' COMPENSATION

Claim Number:

Concentra Medical Centers

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947 Service Date: 04/24/2008 Case Date: 04/22/2008

Physician Activity Status Report

Patient: SSN:

Address:

Employer Location: CES Environmental

4904 Griggs Rd

Contact: Prabhakar Thangudu

Role: **DER/Primary**

Phone: (713) 676-1460 Ext.:

Home: Work: (832) 647-7412 Ext.:

Auth. by:

Address:

HOUSTON, TX 77021

(713) 676-1676

This Visit: Time In: 11:27 am

Time Out: 01:07 pm

Recordable: N/A

Visit Type: New

Treating Provider:

Rashid Khan, MD

Diagnosis: 372.03 Conjunctivitis

372.05 Chemical conjunctivitis

Medications:

☐ Dispensed Prescription Medication to Patient

☐ Dispensed Over-The-Counter Prescription

Written Prescription given to Patient

Patient Status:

Regular Activity - Returning for follow-up visit

Return to regular duty on 04/24/2008

Remarks:

Must wear eye protection

Employer Notice:

The prescribed activity recommendations are suggested guidelines to assist in the patient's treatment and rehabilitation. Your employee has been informed that the activity prescription is expected to be followed at work and away from work.

Anticipated Date of Maximum Medical Improvement: 05/08/2008 Actual Date of Maximum Medical Improvement:

Next Visit(s):

Patient Notice: It is essential to your recovery that you keep your scheduled appointments, but should you need to reschedule or cancel your appointment, please contact the clinic. Thank you for your cooperation.

Friday April 25, 2008 10:15 am

Provider/Facility: John M. Sanchez, MD



Date of Service: 04/24/2008 Date of Injury: 04/22/2008

Attn: Prabhakar Thangudu CES Environmental 4904 Griggs Rd HOUSTON, TX 77021

Dear Prabhakar Thangudu:

Your employee (b) (6) received treatment for a new work related injury at our CMC - Houston I-10 East clinic on 04/24/2008.

The billings for this injury care will be sent to Texas Mutual Insurance Company. Please help us provide the best care to your injured employee by filing the Employer's First Report of Injury with your carrier, if not already filed. This will ensure timely reporting and management of this workers' compensation claim.

If you have any questions or the above information is incorrect, please call our office or fax any changes to the attention of the Billing Department.

Sincerely,

CMC - Houston I-10 East Central Business Office 800-733-7098 972-458-7678 Employee - You are required to report your injury to your employer within 30 days if your employer has workers' compensation insurance. You have the right to free assistance from the Texas Workers' Compensation Commission and may be entitled to certain medical and income benefits. For further information call your local Commission field office or 1(800)-252-7031.



Trabajador - Es necesario que usted reporte su lesión a su empleador dentro de 30 dias a partir del día en que se lesionó, si su empleador tiene seguro de compensación para trabajadores. la Comisión Tejana de Compensación para Trabajadores le ofrece asistencia gratuita, también puede que usted tenga derecho a ciertos beneficios médicos y monetarios. Para mayor información llame a la oficina local de la Comisión 1-800-252-7031.

TEXAS WORKERS' COMPENSATION WORK STATUS REPORT

PART I: GENERAL INFORMATION	5. Doctor's Name and Degree Rashid Khan, MD			
1. Injured Employee's Name	6. Clinic/Facility Name	9. Employer's Name		
(b)	CMC - Houston I-10 East			
Date of Injury	7. Clinic/Facility/Doctor Phone & Fax	10. Employer's Fax # or Email Address (if known)		
04/22/2008	(713)973-7943 (713)973-7947	(713)676-1676		
4. Employee's Description of Injury/Accident				
Patient states :"I opened a valve and some sufuric	10909 East Frwy	Texas Mutual Insurance Company		
acid went into both my eyes."	City State Zip	12. Carrier's Fax # or Email Address (if known)		
	Houston TX 77029	(512)322-3889		
DART II MORK STATUS INFORMATIO	N (FULLY COMPLETE ONE INCLUDING FORMATED DATE	C AND DESCRIPTION IN 424-1 AC ADDITION IN		
	N (FULLY COMPLETE ONE INCLUDING ESTIMATED DATE	S AND DESCRIPTION IN 13(c) AS APPLICABLE)		
l <u> </u>	resulting from the workers' compensation injury:			
	ork as of 04/24/2008 (date) without restrictions.			
	ork as of(date) with the restrictions	identified in PART III, which are		
expected to last through	•			
	mployee from returning to work as of	(date) and is expected to continue		
through(date). The folio	owing describes how this injury prevents the employ	ee from returning to work:		
PART III: ACTIVITY RESTRICTIONS* (REQUIRED IF BOX 13(b) IS CHECKED)			
14. POSTURE RESTRICTIONS (if any) :	17. MOTION RESTRICTIONS (if any):	19. MISC. RESTRICTIONS (if any):		
Max Hours per day: 0 2 4 6 8 Othe	r Max Hours per day: 0 2 4 6 8 Other	Max hours per day of work:		
Standing UUUU	_ Walking LILI LILI	Sit/Stretch breaks ofper		
Sitting	Climbing stairs/ladders	☐ Must wear splint/cast at work		
Kneeling/Squatting	Grasping/Squeezing	Must use crutches at all times		
Bending/Stooping	Wrist flexion/extension	No driving/operating heavy equipment		
Pushing/Pulling	_ Reaching	Can only drive automatic transmission		
Twisting	Overhead Reaching	No work/hours/day work:		
Other:	Keyboardi⊮g	in extreme hot/cold environments		
15. RESTRICTIONS SPECIFIC TO (if applic	able): Other:	at heights or on scaffolding		
L Hand/Wrist R Hand/Wrist	18. LIFT/CARRY RESTRICTIONS (if any):	Must keep		
	eck May not lift/carry objects more thanI	os Elevated Clean & Dry		
L Leg R Leg B	ack for more thanhours per day	No skin contact with:		
L Foot/Ankle R Foot/Ankle	May not perform any lifting/carrying	Dressing changes necessary at work		
Other:	Other:			
		No running		
16. OTHER RESTRICTIONS (if any):		20. MEDICATION RESTRICTIONS(if any):		
		Must take prescription medication(s)		
		Advised to take over-the-counter meds		
**************************************		- 1		
	erstanding of the employee's essential job functions. If a particul modified duty that meets these restrictions is not available, the p	(hossing		
1,1,1,1	ictions should be followed outside of work as well as at work.	safety/driving issues)		
PART IV: TREATMENT/FOLLOW-UP A	3			
l	2. Expected Follow-up Services Include:			
372.03 Conjunctivitis	Evaluation by the treating doctor on 04/25/2008	(date) at 10:00 am am/pm		
	Referral to/Consult withon			
372.05 Chemical conjunctivitis	Physical medicineX per week forweeks star			
	Special studies (list):	on (date) at am/pm		
	None. This is the last scheduled visit for this problem.	At this time, no further medical care is anticipated		
Date / Time of Visit EMPLOYEE'S SIGNATURE	DOCTOR'S SIGNATURE Visit Type:	Role of Doctor: Treating doctor		
04/24/2008 11:27 am Discharge Time		Designated doctor Referral doctor		
04/24/2008 01:07 pm	☐ Follow-up	☐ Carrier-selected RME ☐ Consulting doctor ☐ DWC-selected RME ☐ Other doctor		
		DWC-selected RME Other doctor		

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DIVISION OF WORKERS' COMPENSATION

****** -IND. XMT JOURNAL- ********* DATE APR-30-2008 ***** TIME 14:44 *******

DATE/TIME = APR-30-2008 14:42

JOURNAL No. = 031

COMM. RESULT = OK

PAGE(S)

= 007

DURATION

= 00:02:00

FILE No.

= 985

MODE

= MEMORY TRANSMISSION

DESTINATION = 15122243889

RECEIVED ID =

RESOLUTION = STD

-CES Environmental Service-

***** DP-3010 ************

_ **** _

713 676 1676- *******



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Fax

то: Texas Mutual From: Karl Guidry

Mobile: (832) 287-0862

Fax: 1-512-224-3889 Pages: 6 Pages to follow

Attn: Workers Comp Date: April 30, 2008

See attached documentation regarding our employee (b) (6)

Karl Guidry CES Environmental Services, Inc. HSE Manager 4904 Griggs Rd Houston, Texas 777021

713-676-1460 Ext 115 713-676-1676 Fax kguidry@cesenvironmental.com fixed to
Tx Mutual
ON
5-30-08
memory # 146

Employee Acknowledgment of Workers' Compensation Network

I have received information that tells me how to get health care under my employer's workers' compensation insurance.

If I am hurt on the job and live in a service area described in this information. Lunderstand that:

- 1. I must choose a treating doctor from the list of doctors in the network. Or, I may ask my HMO primary care physician to agree to serve as my treating doctor. If I select my HMO primary care physician as my treating doctor, I will call Texas Mutual at (800) 859-5995, extension 2880 to notify them of my choice.
- 2. I must go to my treating doctor for all health care for my injury. If I need a specialist, my treating doctor will refer me. If I need emergency care, I may go anywhere.
- 3. The insurance carrier will pay the treating doctor and other network providers.
- 4. I might have to pay the bill if I get health care from someone other than a network doctor without network approval.

5. (b) (6) in a false or froudulant workers' compensation claim i	s a crime that may resul	t in
	1-10-08 Date	
	Date	7
Printed Name		
(b) (6) 1 live at:		
7	77089	
City State	Zip Code	
Name of Employer: <u>CES Envisionmental Servic</u>	es, Inc	
Name of Network: Texas Star Network _{SM}		
Network service areas are subject to change.		
Call (800) 381-8067 if you need a network treating pro-	vider.	
Please indicate whether this is the:		
Initial Employee Notification		

DO NOT RETURN THIS FORM TO TEXAS MUTUAL INSURANCE COMPANY UNLESS REQUESTED

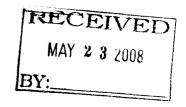
Injury Notification (Date of Injury: 4/22/08)

Employee Notice of Network Requirements - 03/06



Claim & Information Services
P.O. Box 12029
Austin, TX 78711-2029
1-800-859-5995 (512) 224-3800
Fax (512) 224-3889

May 22, 2008



C E S ENVIRONMENTAL SERVICES I 4904 GRIGGS RD HOUSTON, TX 770213208

Re:

Claim #:

Employee:

Soc. Sec.:

(b) (6)

Employer:

C E S ENVIRONMENTAL SERVICES I

Date of Injury: 04/22/2008

DWC#:

Dear C E S ENVIRONMENTAL SERVICES I,

In accordance with the Division of Workers' Compensation Rule 120.2, we are requesting that you file the employer's first report of injury or illness (DWC-1). The first report of injury can easily be submitted using our online reporting system, available thru our website, www.texasmutual.com. Or, you may download a copy of the form from our website and file the information with us by mail, phone, fax or electronic submission. The Division's rules specify that the information be filed not later than the eighth day after: 1) the receipt of notice of an occupational disease or 2) the employee is absent from work for more than one day due to the injury.

A written copy must be provided to the employee along with a summary of the employee's statutory rights and responsibilities. If you use our online reporting, you can print a copy of the report to give to the employee.

Texas Mutual will file this information with the Division of Workers' Compensation.

Thank you for your prompt attention to this matter. If you have any questions, please call me at 1-800-859-5995 ext. 2107.

Sincerely,

Latonica N Ray/MC

Latonica N Ray MEDICAL WORKERS' COMP SPEC



RECEIVED MAY 2 3 2008

Claim and Insurance Services P.O. Box 12029 Austin, Texas 78711-2029

NOTIFICATION OF MAXIMUM MEDICAL IMPROVEMENT/FIRST IMPAIRMENT INCOME BENEFIT **PAYMENT**

DATE: 05/22/2008

TO:

4904 GRIGGS RD HOUSTON, TX 77021

RE: Date Of Injury: 04/22/2008

> Nature Of Injury: **FOREIGN BODY**

Part Of Body Injured: MULTIPLE BODY PARTS(INCL.BODY SYSTEMS & BDY PARTS

Employee SSN:

Enter the TWCC Number.

DWC #: Carrier Name:

Texas Mutual Insurance Company

Carrier Claim #:

C E S ENVIRONMENTAL SERVICES I Name of Employer:

4904 GRIGGS RD

HOUSTON, TX 770213208

You have been certified to have reached Maximum Medical Improvement (MMI) and had an Impairment Rating (IR) assigned. Entitlement to Impairment Income Benefits (IIBs) begins the day after the date you were certified as having reached MMI. For each percentage point of the impairment rating, you will receive 3 weeks of benefits. The amount of your IIBs benefit is based on 70% of the reported Average Weekly Wage of \$Average weekly wage prior to injury...

Llyes	We have received a report from Dr. Doctor name of Employee. (copy attached) certifying that you have reached MMI on and have been assigned a whole body IR of 0%. Based on this report, you are not eligible for additional income payments of any type. You remain entitled to necessary medical benefits related to this injury.
☐ yes	We have received a report from Dr. Doctor name of Employee. (copy attached) certifying that you have reached MMI on and have been assigned a whole body IR of IR Percentage%. Based on this report you will no longer be eligible for TIBs, however, beginning, you will receive IIB Weeks weeks of IIBs at the rate of \$IIB weekly rate per week less any allowable reductions. These benefits will end approximately. You remain entitled to necessary medical benefits related to this injury.
ves yes	We are disputing the IR of IR Percentage% certified by Dr. Doctor name of Employee. (copy attached) and have made a reasonable assessment of Reasonable Assessment Percentage% impairment. Based on this assessment, we will pay IIBs for IIB Weeks weeks at the rate of \$IIB weekly rate per week pending the resolution of the IR dispute less any allowable reductions. You remain entitled to necessary medical benefits related to this injury.
⊠ yes	We have received a report from Dr. RASHID KHAN MD (copy attached) certifying that you have reached MMI and you do not have any permanent impairment as a result of this compensable injury. Based on this report you are not eligible for any income benefits of any type. You remain entitled to necessary medical benefits related to this injury.
yes	Based on a benefit accrual date of Date of eighth day of disability, we have determined you have reached statutory MMI. In the absence of an IR certified by a doctor, we have made a reasonable assessment of IR Percentage% and will pay IIBs for IIB Weeks weeks at the rate of \$IIB weekly rate per week pending the resolution of the IR dispute less any allowable reductions. You remain entitled to necessary medical benefits related to this injury.

If you are expected to be paid benefits for a period of eight weeks or more, you may request that we make benefit payments by electronic funds transfer directly to your bank account. Also, you may request that we change your IIBs to a monthly payment.

Explanatory Comments: No income benefits are due

If you do not agree with this certification of MMI and/or IR you have 90 days from the date you receive this notication of MMI and/or IR to file a dispute with the Texas Department of Insurance, Division of Workers' Compensation by contacting The Division office handling your claim at 1-800-252-7031.

If you are interested in having your payments made directly to your bank account or do not agree with the finding of MMI, IR certified by the doctor, or the amount being paid please contact me:

 Adjuster's Name:
 Latonica Ray

 Toll Free Telephone #:
 1-800-859-5995 ext. 2107

 Fax #/E-mail Address:
 1-512-224-3889

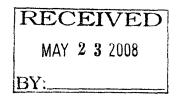
If we are unable to resolve the issue to your satisfaction, you may contact the Texas Department of Insurance, Division of Workers' Compensation for further assistance. You have the right to request a Benefit Review Conference. You can contact The Division office handling your claim at 1-800-252-7031.

If you would like to receive notices such as this by facsimile or e-mail, please contact me and provide your facsimile number or e-mail address.

Please note that making a false or fraudulent workers' compensation claim is a crime that may result in fines and/or imprisonment.

Cc: C E S ENVIRONMENTAL SERVICES I





Claim and Insurance Services P.O. Box 12029 Austin, Texas 78711-2029

NOTIFICATION OF MAXIMUM MEDICAL IMPROVEMENT/FIRST IMPAIRMENT INCOME BENEFIT PAYMENT

DATE: 05/22/2008

TO: (b) (6)

4904 GRIGGS RD HOUSTON, TX 77021

RE: Date Of Injury: 04/22/2008

Nature Of Injury: FOREIGN BODY

Part Of Body Injured: MULTIPLE BODY PARTS(INCL.BODY SYSTEMS & BDY PARTS

Employee SSN: (b) (6)

DWC #: Enter the TWCC Number.

Carrier Name: Texas Mutual Insurance Company

Carrier Claim #: (b) (6)

Name of Employer: CESENVIRONMENTAL SERVICES I

4904 GRIGGS RD

HOUSTON, TX 770213208

You have been certified to have reached Maximum Medical Improvement (MMI) and had an Impairment Rating (IR) assigned. Entitlement to Impairment Income Benefits (IIBs) begins the day after the date you were certified as having reached MMI. For each percentage point of the impairment rating, you will receive 3 weeks of benefits. The amount of your IIBs benefit is based on 70% of the reported Average Weekly Wage of \$Average weekly wage prior to injury.

Llyes	We have received a report from Dr. Doctor name of Employee. (copy attached) certifying that you have reached MMI on and have been assigned a whole body IR of 0%. Based on this report, you are not eligible for additional income payments of any type. You remain entitled to necessary medical benefits related to this injury.
∏ yes	We have received a report from Dr. Doctor name of Employee. (copy attached) certifying that you have reached MMI on and have been assigned a whole body IR of IR Percentage%. Based on this report you will no longer be eligible for TIBs, however, beginning, you will receive IIB Weeks weeks of IIBs at the rate of \$IIB weekly rate per week less any allowable reductions. These benefits will end approximately. You remain entitled to necessary medical benefits related to this injury.
] yes	We are disputing the IR of IR Percentage% certified by Dr. Doctor name of Employee. (copy attached) and have made a reasonable assessment of Reasonable Assessment Percentage% impairment. Based on this assessment, we will pay IIBs for IIB Weeks weeks at the rate of \$IIB weekly rate per week pending the resolution of the IR dispute less any allowable reductions. You remain entitled to necessary medical benefits related to this injury.
X yes	We have received a report from Dr. RASHID KHAN MD (copy attached) certifying that you have reached MMI and you do not have any permanent impairment as a result of this compensable injury. Based on this report you are not eligible for any income benefits of any type. You remain entitled to necessary medical benefits related to this injury.
yes	Based on a benefit accrual date of Date of eighth day of disability. we have determined you have reached statutory MMI. In the absence of an IR certified by a doctor, we have made a reasonable assessment of IR Percentage% and will pay IIBs for IIB Weeks weeks at the rate of \$IIB weekly rate per week pending the resolution of the IR dispute less any allowable reductions. You remain entitled to necessary medical benefits related to this injury.

If you are expected to be paid benefits for a period of eight weeks or more, you may request that we make benefit payments by electronic funds transfer directly to your bank account. Also, you may request that we change your IIBs to a monthly payment.

DWC PLN3 (rev. 01/05) Page 1

Explanatory Comments: No income benefits are due

If you do not agree with this certification of MMI and/or IR you have <u>90</u> days from the date you receive this notication of MMI and/or IR to file a dispute with the Texas Department of Insurance, Division of Workers' Compensation by contacting The Division office handling your claim at 1-800-252-7031.

If you are interested in having your payments made directly to your bank account or do not agree with the finding of MMI, IR certified by the doctor, or the amount being paid please contact me:

Adjuster's Name:

Toll Free Telephone #:

Fax #/E-mail Address:

Latonica Ray

1-800-859-5995 ext. 2107

1-512-224-3889

If we are unable to resolve the issue to your satisfaction, you may contact the Texas Department of Insurance, Division of Workers' Compensation for further assistance. You have the right to request a Benefit Review Conference. You can contact The Division office handling your claim at 1-800-252-7031.

If you would like to receive notices such as this by facsimile or e-mail, please contact me and provide your facsimile number or e-mail address.

Please note that making a false or fraudulent workers' compensation claim is a crime that may result in fines and/or imprisonment.

Cc: C E S ENVIRONMENTAL SERVICES I

Employee - You are required to report your injury to your employer within 30 days if your employer has workers' compensation insurance. You have the right to free assistance from the Texas Department of Insurance, Division of Workers' Compensation and may be entitled to certain medical and income benefits. For further information call your local Division field office or 1-800-252-7031.



Empleado - Es necesario que usted reporte su lesión a su empleador dentro de 30 dias a partir de la fecha en que se lesionó si es que su empleador cuenta con un seguro de compensación para trabajadores. Usted tiene derecho a recibir assistencia gratuita por porte de la División de Compensación para Trabajadores, y también puede tener derecho a ciertos beneficios médicos y monetarios. Para mayor información comuniquese con la oficina local de la División al teléfono 1-800-232-7031.

PART 1: GENERAL INFORMATION 4		
	(njured Employee's Name (Last First MI)	Certifying Doctor's Name and Licensure Khan, HD, Rashid
Workers' Compensation insurance Carrier Texas Mutual Insurance Company	Date of Injury 6. Social Security Number 04/22/2008	10. Certifying Doctor's License Number and Jurisdiction MDK4470
	Employee's Phone #	11. Certifying Doctor's Phone and Fax #'s (800) 733~7098 (972) 458 -7678
3. Employer's Address 8. 4904 Griggs Rd	Employee's Address	12. Certifying Doctor's Address PO Box 9005 15810 Midway Rd
City State Zip Control TX 77021	ty State Zip IOUSTON TX 77089	City State Zip ADDISON TX 75001-9005
PART II: DOCTOR'S ROLE AND CERTIF	CATION	
13. Indicate which role you are serving in th	e claim in performing this evaluation. Only a doctor servi Compensation Rule 130.1 governs such authorization):	ng in one of the following roles is authorized to evaluate
	ted by Treating Doctor acting in place of the Treating Doctor	Designated Doctor Selected by the Division
Carrier-Selected RME Doctor approved by	the Division to evaluate MMI and/or permanent impairment aff	er a Designated Doctor examination
14. I HEREBY CERTIFY THAT THIS REPOR		d complies with the Texas Workers' Compensation Act and
	misrepresentation about workers' compensation claim is a cri	
Signature of Certifying Docto	Khan M.D	Date of Certification: 04/25/2008
	Ora Good	
PART III: MEDICAL STATUS INFORMATI		
15. Date of Exam 16. Diagnosis 1) (ICD-9 Codes) 372.	03 ²⁾ 372.95 ³⁾	4)
17. Indicate whether the employee has re	eached Clinical or Statutory MMI based upon the fol	lowing definitions:
Clinical Maximum Medical Improvem from or lasting improvement to an injury can	ent (Clinical MMI) is the earliest date after which, based up no longer reasonably be anticipated	oon reasonable medical probability, further material recovery
Statutory MMI is the later of: (1) the end of	of the 104th week after the date that temporary income benefit	s (TIBs) began to accrue; or (2) the date to which MMI was
extended by the Division through operation of	Texas Labor Code §408.104. $\$ STATUTORY / $\$ CLINICAL (mark one) MMI on $\$ 04/	25/2008 (may not be a prospective date) and have
included documentation relating to this certificatio	n in the attached narrative. OR	
 b) No, I certify that the employee has NOT read documented in the attached narrative. 	ached MMI but is expected to reach MMI on or about	. The reason the employee has not reached MMI is
NOTE - The fact that an employee reaches either	Clinical MMI or Statutory MMI does not signify that the employ	ee is no longer entitled to medical benefits.
PARTIV: PERMANENT IMPAIRMENT		
	te whether the employee has permanent impairment as a	result of the compensable injury.
" Impairment " means any anatomic or func	ional abnormality or loss existing after MMI that results from	n a compensable injury and is reasonably presumed to be
compensable injury, based upon competent of	ejective medical evidence that is independently confirmable by	gs meaning a medical finding of impairment resulting from a a doctor, including a designated doctor, without reliance on
the subjective symptoms perceived by the emp	loyee.	
	loyee. ny permanent impairment as a result of the compensable injury	OR
a) I certify that the employee does not have at	ny permanent impairment as a result of the compensable injury impairment as a result of the compensable injury. The amou	unt of permanent impairment is %, which was
a) T certify that the employee does not have an b) to certify that the employee has permanent determined in accordance with the requirements	ny permanent impairment as a result of the compensable injury impairment as a result of the compensable injury. The amous of the Texas Workers' Compensation Act and Commission	unt of permanent impairment is %, which was
a) I certify that the employee does not have an b) I certify that the employee has permanent determined in accordance with the requirements involved in the calculation of the impairment ratin Medical Association (AMA):	ny permanent impairment as a result of the compensable injury impairment as a result of the compensable injury. The amous of the Texas Workers' Compensation Act and Commission g assigned using the following edition of the Guides to the Evonon printing, February 1989. OR	unt of permanent impairment is %, which was Rules. The attached narrative provides documentation aluation of Permanent Impairment published by the American
a) I certify that the employee does not have an b) I certify that the employee has permanent determined in accordance with the requirements involved in the calculation of the impairment ratin Medical Association (AMA):	ny permanent impairment as a result of the compensable injury impairment as a result of the compensable injury. The amous of the Texas Workers' Compensation Act and Commission g assigned using the following edition of the Guides to the Eva	unt of permanent impairment is %, which was Rules. The attached narrative provides documentation aluation of Permanent Impairment published by the American
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VARRATIVE HISTORY

Patient: (b) (6)

DX:

Conjunctivitis

hysician:

Khan, MD, Rashid

-ocation:

CMC - Houston I-10 East

The patient's injury occurred on 04/22/2008. The patient stated, Patient was at work and opened a valve and sufuric acid went into both eyes

The patient was evaluated on 04/25/2008.

)ate of MMI 04/25/2008.

The treatment plan included: eye drops, safety glasses

Findings of the certifying examination/explanation of performed analysis are 372.03, Conjunctivitis 372.05, Chemical conjunctivitis

_ab and X-Ray tests: n/a

Description of the results of the most recent clinical evaluation of the employee

Current Clinical Status: Patient released to full duty. Activity Status is Regular Activity. Treatment Status is Released from care.

Diagnosis and clinical findings of permanent impairment: Employee does not have any permanent impairment as a result of the compensable injury.

AMA Guides to the Evaluation of Permanent Impairment Edition: None

DWC FORM-6 Supplemental Report of Injury

DWC requires the reporting of all Return to Work and Post-Injury Change of Earnings. An injured worker is entitled to temporary income benefits if he/she has disability (defined as the inability to work, or the inability to earn wages equivalent to pre-injury wages, as a result of the injury) and has not reached maximum medical improvement (defined as having reached 104 weeks from the eighth day of lost time or when a doctor certifies that no further recovery can be reasonably anticipated). The insurance carrier shall adjust the weekly amount of temporary income benefits paid to the injured worker to match the fluctuations in weekly earnings after the injury. To ensure the insurance carrier has accurate information to calculate benefits, the DWC FORM-6 is to be completed as applicable:

By EMPLOYER	By INJURED WORKER
The EMPLOYER means the employer for whom the injured worker was working when the injury occurred. If the employer is the current employer, then you are responsible to provide information to the workers' compensation insurance carrier about: The existence of earnings, and The amount of any earnings, or Any offers of employment. Include CLAIM and insurance carrier numbers in right upper hand corner. Complete items 1-21, sign and date.	If you (the INJURED WORKER) are no longer employed by the employer where the injury/illness occurred, then you are responsible to provide information to the workers' compensation insurance carrier about: • The existence of earnings, and • The amount of any earnings, or • Any offers of employment. This form may be used to do so. Include CLAIM and insurance carrier numbers in right upper hand corner. Complete items 1-4, 10-21, sign and date.
 The EMPLOYER must file this form: For a worker's injury/illness that occurs after January 1, 1991 and required the previous filing of a DWC FORM-1, Employer's First Report of Injury; and During the time the injured worker is entitled to temporary income benefits (TIBs); and Until the injured worker: ➤ Reaches maximum medical improvement (MMI), or ➤ Is no longer employed by the employer. 	 If you are employed by a new employer after the injury; and You are receiving benefits, you must tell the insurance carrier if your wages change, regardless of whether your income went up or down; or You are not receiving benefits, you must tell the insurance carrier if the injury causes you to miss work or lose income.

This report must be filed in the following situations within the timeframes indicated:

- 3 days after the injured worker begins to lose time from work as a result of the injury, if lost time did not occur immediately following the injury;
- 3 days after the injured worker returns to work;
- 3 days, when the injured worker returned to work, then later has additional day(s) of lost time as a result of the injury;
- 10 days after the end of each pay period in which the injured worker has a change in earnings as a result of the injury;
- 10 days after the injured worker resigns or is terminated.

While most of the sections on this form are self-explanatory, please note that the pay periods requested in sections 20 & 21 may be different depending on the situation for which the form is being filed:

- If the report is indicating lost time from work or the end of employment, the pay period shall be the most recent pay period prior to the lost time.
- If the report is indicating return to work or a change in earnings, the pay period shall be the pay period the injured worker is beginning.

This form is to be filed by first class mail or personal delivery with:

- · The insurance carrier, and
- · The injured worker.

This report is considered filed when personally delivered or postmarked.

This form is to be filed by first class mail or personal delivery with:

The insurance carrier.

This report is considered filed when personally delivered or postmarked.

If you return to work for the same employer or a different employer, your temporary income benefits from the insurance carrier must be adjusted.

Failure to report earned wages and/or offers of employment to the insurance carrier who is paying benefits to you is a crime that may result in fines and/or imprisonment.

Failure to comply with these filing requirements, without good cause, is a Class D administrative violation, subject to a penalty not to exceed \$500.

TLC§ 409.005 and Rules 120.3 and 129.4 provide the requirements regarding use of this report. The complete rule text is available on the DWC website at: www.tdi.state.tx.us

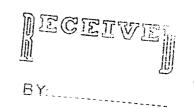


DWC FORM-6 (Rev. 10/05) Page 2

DIVISION OF WORKERS' COMPENSATION







Claim and Insurance Services P.O. Box 12029 Austin, Texas 78711-2029

NOTIFICATION OF MAXIMUM MEDICAL IMPROVEMENT/FIRST IMPAIRMENT INCOME

DATE: TO:

RE:

Date of Injury: Nature of Injury: Part of Body Injured: Employee ŠSN: DWC #:

Carrier Name: Carrier Claim Number:

Employer:

05/06/2008 **BURN**

MULTIPLE BODY PARTS(INCL.BODY SYSTEMS & BDY PARTS

08266544

Texas Mutual Insurance Company

C E S ENVIRONMENTAL SERVI

4904 GRIGGS RD

HOUSTON TX 77021-3208

You have been certified to have reached Maximum Medical Improvement (MMI) and had an Impairment Rating (IR) assigned. Entitlement to Impairment Income Benefits (IIBs) begins the day after the date you were certified as having reached MMI. For each percentage point of the impairment rating, you will receive 3 weeks of benefits. The amount of your IIBs benefit is based on 70% of the reported Average Weekly Wage of \$1193.00.

We have received a report from Dr. OLUWOLE, BABALOLA OLUSOLA(copy attached) certifying that you have reached MMI on 08/08/2008 and have been assigned a whole body IR of 0%. Based on this report, you are not eligible for additional income payments of any type. You remain entitled to necessary medical benefits related to this injury.

If you are expected to be paid benefits for a period of eight weeks or more, you may request that we make benefit payments by electronic funds transfer directly to your bank account. Also, you may request that we change your IIBs to a monthly payment.

Explanatory Comments:

If you do not agree with this certification of MMI and/or IR you have 90 days from the date you receive this notification of MMI and/or IR to file a dispute with the Texas Department of Insurance, Division of Workers' Compensation by contacting the Division office handling your claim at 1-800-252-7031.

If you are interested in having your payments made directly to your bank account or do not agree with the finding of MMI, IR certified by the doctor or the amount being paid please contact me:

Adjuster's Name:

ANTOINETTE Y LOCKS

Toll Free Telephone #:

(800) 859-5995 ~

Fax #/E-mail Address:

(512) 224-3889

If we are unable to resolve the issue to your satisfaction, you may contact the Texas Department of Insurance, Division of Workers' Compensation for further assistance. You have the right to request a Benefit Review Conference. You can contact the Division office handling your claim at 1-800-252-7031.

If you would like to receive notices such as this by facsimile or e-mail, please contact me and provide your facsimile number or e-mail address

Please note that making a false or fraudulent workers' compensation claim is a crime that may result in fines and/or imprisonment.

CC MCRIMMONS, SEBASTIEN C E S ENVIRONMENTAL SERVI MANUEL GONZALES



C E S ENVIRONMENTAL SERVI 4904 GRIGGS RD HOUSTON TX 77021-3208



DW-6
full duty
full pay

(b) (6)

Alcohol Testing Form (Non-DOT)		4 S
(The instructions for completing this form are on the back of Copy 3)		Affix Scree
STEP 1: TO BE COMPLETED BY ALCOHOL TECHNICIAN		
A: Employee Name		Affix Or Print Screening Results Here
(Print) (First, M.L. Last)	RECEIVED	nt Suit
B: SSN or Employee ID No.	MAR 1 0 2008	H
C: Employer Name CES ENVIRONMENTAL SUCS Street 4964 GRIGGS	MAR 1 0 2000	ere
Street 4964 GRiGGS	BY:	t 4 8 8 8 8
		4
City, ST ZIP HOUS TON TX 7769/		Affix With Tamper Evident Tape
DER Name and	AC 711 Camiral and O74070	Vitt
Telephone No. PRABHAILAN THADOUDU 713 676-1460 DER Name DER (Area Code & Phone Number)	Version No. 1538	Tam
D: Reason for Test: Random Reasonable Susp. Post-Accident Return to Duty Follow-up Pre-employment	TEST RECORD - REPRINT	per
STEP 2: TO BE COMPLETED BY EMPLOYEE	1	Evic
I certify that I am about to submit to alcohol testing and that the identifying information provided on the form is true and correct.	TEST RECORD COLSS	lent
(b) (6)	Temp Date Time 210L	Тар
3/5/08		
Signature of Employee Date Month / Day / Year	Air Blank: 03/05/08 15:47 .000	4
STEP 3: TO BE COMPLETED BY ALCOHOL TECHNICIAN	Subject Test: Auto	Con
(If the technician conducting the screening test is not the same technician who will be conducting the	23 03/05/08 15:47 .000	Affix Or Print Confirming Results
confirmation test, each technician must complete their own form.) I certify that I have conducted alcohol testing on the above named individual, that I am qualified to operate the testing device(s) identified, and that the results		ning P
are as recorded.	Apply Evidence Tape HERE	ア目
The state of the s	(If Required)	E
TECHNICIAN: DAT STT DEVICE: SALIVA DEREATH* 15-Minute Wait: Yes No		T T
SCREENING TEST: (For BREATH DEVICE* write in the space below only if the testing device is not designed to print.)		Here
Test # Testing Device Name Device Serial # QR Lot # & Exp. Date Activation Time Reading Time Result		ego od oprovincia para ego
		1
CONFIRMATION TEST: Results <u>MUST</u> be affixed to each copy of this form or printed directly onto the form.	; 1 1 1 1 1	Affix With Tamper Evident Tape
REMARKS:		×
	3) 1 2 4 4 8	h T
		mp
		H
		vide
hanned as used a large to the second		T T
MGMORIAL HGRMANN HOSPIAN GYIL FANNIN Alcohol Technician's Company Company Street Address Company Street Address HIUSTO V 7K 77030 Company City, State, Zip 713 704-3100		ape
RASSELLNEEL HAUSTON TX 77030		
(PRINT) Alcohol Technician's Name (First, M.I., Last) Company City, State, Zip	6 1 1 1 1	>>
713 709 3/80 Phone Number (Area Code & Number)		ddi
Phone Number (Area Code & Number)	3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 Q
Signature of Alcohol Technician Date Month / Day / Year		Affix Or Print Additional Test
STEP 4: TO BE COMPLETED BY EMPLOYEE IF TEST RESULT IS POSITIVE		est
I certify that I have submitted to the alcohol test, the results of which are accurately recorded on this form. I		Results
understand that I must not drive, perform safety-sensitive duties, or operate heavy equipment because the results are positive.		ults
F	t , , , , ,	F
Signature of Employee Date Month / Day / Year	▲ Affix With Tamper Evident Tag	
	»	

471-FS-C3 (Rev. 6/01) 6363

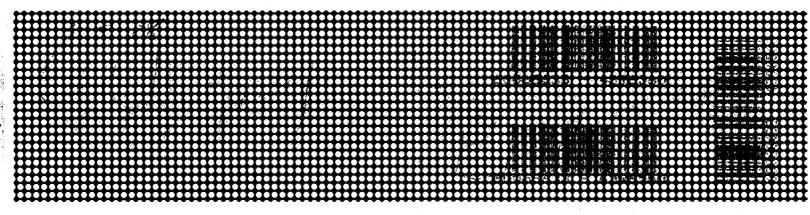
FORENSIC DRUGTESTING CUSTODY AND CONTROL FORM



	800-877-7484
もりかららる 4分行うの SPECIMEN ID NO. STEP 1: COMPLETED BY COLLECTOR OR EMPLOYER REPRESENTA	TIVE LAB ACCESSION NO.
A. Employer Name, Address, I.D. No. IE HURISL HERRANN INC BILL BURGS / GERT PARSENS (6. C. PU. SUSI	B. MRO Name, Address, Phone and Fax No. FURN 18: \$APH500020
6411 FANNIN ST	FAX:
C. Donor SSN or Employee LD. No.	
D. Donor Name: Last:	
E. Donor ID Verified: Photo ID LEmp. Rep. PRAB	HARAC THANDUDU
F. Reason for Test: Pre-employment (1) Random (3) Reason for Test: Return to Duty (6) Follow-up (23)	asonable Suspicion/Cause (5) Post-Accident (2) Promotion (22) Other (specify) (99)
G. Drug Tests to be Performed: (OHDL, ETHYL (B) . () 35105N SAP 5-50 U/NIT ;
H. Collection Site Name: Memorial Hermann THC Coll Address: 6411 Fannin St City, State and Zip: Houston TX 77030	Collector Phone No.: 7137043100 Collector Fax No.: 7137044445
STEP 2: COMPLETED BY COLLECTOR	
	Single None Provided (Enter Remark) Dbserved (Enter Remark)
REMARKS STEP 3: Collector affixes bottle seal(s) to bottle(s). Collector dates seal(s).	Donor initials seal(s). Donor completes STEP 5.
STEP 4: CHAIN OF CUSTODY - INITIATED BY COLLECTOR AND COL	MPLETED BY LABORATORY
Total your and the specimen given to the by the both in the bright of the both in the byte of the both in the both in the byte of the byte	SPECIMEN BOTTLE(S) RELEASED TO: Quest Diagnostics Courier
(Print) Collector's Name (First, MI, Last) RECEIVED	Name of Delivery Service Transferring Specimen to Lab Primary Specimen Spe
AT LAB: Signature of Accessioner	Primary Specimen SPECIMEN BOTTLE(S) RELEASED TO:
	►
(Print) Accessioner's Name (First, MI, Last) STEP 5: COMPLETED BY DONOR	To, Litter Helitark Delow
I certify that I provided my urine specimen to the collector; that I have not adulterated it in any manner; earnumbers provided on this form and on the label affixed to each specimen bottle is correct. X Signature of Donor.	(PRINT) Donor's Name (First, MI, Last) rich specimen bottle used was sealed with a tamper-evident seal in my presence; and that the information and 3 / 5 / 68 Date (Mo./Day/Yr.)
Daytime Phone No.	Date of Birth Mo. Day Yr.
STEP 6: COMPLETED BY MEDICAL REVIEW OFFICER - PRIMARY SF	
In accordance with applicable requirements, my determination/verification is:	
DILUTE	ILTOTEST BECAUSE: ADULTERATED SUBSTITUTED
REMARKS	1 1
	Medical Review Officer's Name (First, MI, Last) Date (Mo./Day/Yr.)
STEP 7: COMPLETED BY MEDICAL REVIEW OFFICER - SECONDARY	
In accordance with applicable requirements, my determination/verification for the split specimen	(if tested) is:
☐ RECONFIRMED ☐ FAILED TO RECONFIRM - REASON	



						800-877-748
	SPECIMEN ID NO.					
TEP 1: COMPLETED BY COLLEC	CTOR OR EMPLOYER REP	RESENTATIVE		LAB ACCESSIO	N NO.	
A. Employer Name, Address, I.D. N	No.	B. MRO	Name, Address, Pl	none and Fax No.	POPH ID. Syfab	K (1)/2
tengkim, krathar († 176 Bill Brack v Geni rastat		6,074				
6411 FAMILY T	1000			*		
MUSTER 18 7/03						
715-744-3101 FW-715-	· 2014 · 4445 (·	FeXt		
	(b) (6)					
C. Donor SSN or Employee I.D. No.						
D. Donor Name: Last: L						
E. Donor ID Verified:	Photo ID Emp. Rep	PRIMAR	(C MARINI	W. C. J. A. A.		
	employment (1) Random			i) Post-Accident	(2) Promotion	(22)
G. Drug Tests to be Performed:	Return to Duty (6)	w-up (23)Otne	(specity) (99)			
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03/07/2008

C E S ENVIRONMENTAL SERVICES I 4904 GRIGGS RD HOUSTON TX 77021-3208 pthangudu@cesenvironmental.com

Notification Confirming Receipt of Claim

Date of Injury:

03/05/2008

Injured Worker:

(b) (6) (b) (6)

Claim Number: Policy Number:

0001086044

Attached is a copy of the information you reported to Texas Mutual Insurance Company which was used to establish this claim. You may submit additional claim information to Texas Mutual Insurance Company. If you have questions regarding this report of injury please contact us at (800) 859-5995.

If your policy includes our workers' compensation health care network option you are required by law to obtain a second Employee Acknowledgement of Workers' Compensation Network Form signed by the injured worker. Please submit a copy of the signed, second acknowledgement form to Texas Mutual Insurance Company. You can find a copy of the form online at www.texasmutual.com/hcn/shtm

Below please find information that will help you through the claim process:

To submit additional claim information:

To locate a treating doctor:

Mail to: P. O. Box 12029 Austin, Texas 78711-2029 www.texasmutual.com/workers/iwADL.shtm

Fax to: (512) 224-3889

To contact the handling adjuster:

Call: (800) 859-5995

Monday - Friday; 8:00 a.m. - 5:30 p.m.

To obtain a copy of the Employer and Employee Rights and Responsibilities in the

Workers' Compensation System:

www.texasmutual.com/employers/erRights.shtm

To locate a pharmacy, or for pharmacy questions, contact Scripnet:

Call: (888) 880-8562 www.scripnet.com To obtain a copy of the Employer and Employee Rights and Responsibilities for the workers' comp health care network:

www.texasmutual.com/hcn/hcn.shtm

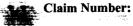
Additional Texas Mutual® online services at www.texasmutual.com, available 6 a.m. - 9 p.m., include:

- o Obtain logon id, or for immediate logon id, call (800) 859-5995, M-F, 8:00 a.m. 5:30 p.m.
- o Submit first report of injury in the Employers section
- o Submit wage statement when reviewing loss runs and claim details
- o Obtain specific claim summary information

Texas Mutual Insurance Company P.O. Box 12029 Austin, TX 78711-2029 Phone: (800) 859-5995; Fax: (512)224-3889







Notification Date: 03/06/2008

EMPLOYER'S FIRST REPORT-OF-INJURY

INJURED EMPLOYEE

Name:

SSN:

Mailing

Address:

County: HARRIS

Physical Address:

County:

Home Phone: Date of Birth:

Marital Status: Unknown

Gender:

Male

Dependents: 01

Language: English

MEDICAL PROVIDER

Name: Tax ID: Address:

Phone:

Ext:

Fax:

Represented by Attorney:

Name: Phone:

Date of Injury:

Date Reported:

ATTORNEY

INJURY INFORMATION

Address Where Injury Occurred: Time: 00:00

4904 GRIGGS RD **HOUSTON TX 77021**

County: Witnesses: Cause of Injury: MISC. CAUSES-ABSORB, Name:

INGEST OR INHALATION, NOC

Part of Body:

NO PHYSICAL INJURY

No

Phone:

Phone:

Name:

Name:

Phone:

Fatality: How and Why the Injury/Illness Occurred

03/05/2008

03/06/2008

Nature of Injury: NO PHYSICAL INJURY

DIZZINESS. EE BECAME DIZZY WHILE WORKING IN THE TANK.

BUSINESS/EMPLOYER

Name: CESENVIRONMENTAL SERVICES I

Address:

4904 GRIGGS RD

HOUSTON TX 77021-3208

Phone: (713)676-1460 Ext:

Fax:(713)676-1676

Policy Number: 0001086044

760592985 FEIN:

Location ID:

EMPLOYMENT

Occupation: HELPER

Hire Date: 08/08/2007 Partner/Officer/Owner:

State: TX No 00/00/0000

Date Lost Time Began: Return to Work Date:

03/07/2008 Last Paycheck was:

Wage: Frequency:

10.00 Hourly

Days/Week:

Hours/Week:

Period Start: 00/00/0000

Period End: 00/00/0000

Fax:

Supervisor

Name: M MARLIN

Phone:

Ext:

PREPARER OF REPORT

Name: PRABHAKAR THANGUDU

Phone: (713)676-1460 Ext:

Email: pthangudu@cesenvironmental.com

	EMPLOYER REPRESENTATIVE
	THEN THE RESULTS WILL BE FAXED OR MAILED
Address: 6	6411 Fannin, Suite H 1.21, Houston, Texas 77030-1501
Phone:	Facilitator (24 hours) 713-704-3100, Manager (Bill Boras) 713-704-5840
Fax:	713-704-4445
	www.memorialhermann.org
Name:	
Organization	CES EN VERONMENTAL Services
Address:	
Phone :	Fax: 7/676-1676
Urgent	Date sent: 3/6/08
For Revie	6:45 Pm
Please Re	Number of pages including cover page:
·	P-3
Message:The at the patient's ini	
Occupational M	ledicine Staff mailing results: SECL SORAS.
PATIENT: N	(b) (6) ame:
Date of Drug Sc	reen: 3/5/09 SS #: (6) (6) OR Date of Birth:
Date of Reporte	d: 3/6/08
federal and state law. Information that is leg You are hereby notific contents of this faxed	crized interception of this fax communication could be a violation of The documents accompanying this fax transmission may contain pally privileged. The information is intended only for use by the recipient, all that any disclosure, copying, distribution, or taking of any action on the information is strictly prohibited. If you have received this information in tely notify sender by telephone to arrange for the return of the original

PATIENT INFORMATION 557452211

REPORT STATUS Final

Employer Solutions

CLIENT SERVICE 800.877.7484

SPECIMEN INFORMATION

SPECIMEN: 742250I REOUISITION: 4396560

LAB REF NO: 557452211

COLLECTED: 03/05/2008 RECEIVED: REPORTED:

рΗ

03/06/2008

03/06/2008

15:51 04:27

11:06

Sec Id: (b) (6)

Primary Id: 557452211

Reason: NOT PROVIDED

ORDERING PHYSICIAN

CLIENT INFORMATION

60068633

MEMORIAL HERMANN TMC

WILLIAM BORAS 6411 FANNIN ST

HOUSTON, TX 77030

Tests Ordered: 35190N (SAP 10-50/2000 W/NIT)

Integrity Checks

88.1 mg/dL

>/= 20 mg/dL

Acceptable Range

CREATININE OXIDIZING ADULTERANTS

Negative

7.5

4.5-8.9

GC/MS Confirm Substance Abuse Panel Initial Test Level Test Level **AMPHETAMINES** Negative 1000 ng/mL 500 ng/mL BARBITURATES Negative 300 ng/mL 200 ng/mL BENZODIAZEPINES Negative 300 ng/mL 200 ng/mL 150 ng/mL 300 ng/mL COCAINE METABOLITES Negative 50 ng/mL 15 ng/mL MARIJUANA METABOLITES Negative 300 ng/mL 200 ng/mL METHADONE Negative METHAQUALONE 300 ng/mL 200 ng/mL Negative Negative 2000 ng/mL 2000 ng/mL OPIATES 25 ng/mL PHENCYCLIDINE Negative 25 ng/mL PROPOXYPHENE Negative 300 ng/mL 200 ng/mL

CERTIFYING SCIENTIST: Elda Yang

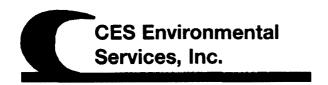
SPECIMEN RECEIVED AND PROCESSED IN THE LENEXA DHHS CERTIFIED LABORATORY.

LAB:

Quest Diagnostics-Lenexa

10101 Renner Blvd Lenexa KS 66219

>> END OF REPORT <<



INCIDENT REPORT

Near Miss Accident XXX

Date of Incident 03/05/2008 Time $\sim 2:00$ pm

Result of Incident:	Physician Treatment of Employee	2
	explosion 3) Equipment Damage 4) Production Loss 7) XXX Employee Endan	operty Damage ngerment
Person(s) Directly Invol	ved	
Name: (b) (6)		
Exact Location Where I	ncident Occurred: Facility ISO Unit	
Describe Fully How Inc	cident Occurred: Statement from (b) (6)	(Pending return to
Statement from Cody H	ampton, CES Employee:	
Statement from Nathan	Juarez, CES Employee:	
Statement from Michael	l McLay, CES Employee:	
The three above named	individuals provided a collective statem	ent as follows;
Specifically; (b) (6)		were inside the ISO Tank
performing the final cle	aning. The ISO Tank had been flushed	and rinsed prior to entry. A
temperature reading wa	s taken on the vessel internal and indica	ted a temperature of $\sim 105^{0}$ F. An
exhauster was put in pla	ace to evacuate heat. Temperature at tim	ne of entry into the vessel was
$\sim 90^{0}$ F. All entrants we	re wearing the proper personal protective	ve equipment consisting of Tyvek
suits, safety glasses, har	d hats and respirators with new cartridg	es. Michael McLay was
performing Entrance At	tendant duties.	
During the cleaning pro	cess(b) (6) collapsed. (b) (6)	removed (b) (6) from
the vessel with (b) (6)	assisting (b) (6) down the ladder. (b) (6) was lowered to the ground and
	never lost consciousness. (b) (6)	who was working in the area
assisted and contacted 9	911.	

Houston Fire Department EMS personnel arrived on site, checked (b) (6) vital signs, questioned personnel who were working with (b) (6) and transported (b) (6) to Memorial Hermann Hospital (b) (6) was tested for alcohol and drugs consistent with the CES Environmental Services, Inc protocol on file with Memorial Hermann Hospital Occupation Health. The Blood Alcohol Test indicated no alcohol in (b) (6) system.

Drug test results were negative. (b) (6) was released from Memorial Hermann Hospital at ~ 6:15 pm the same day of this incident which for the record is March 5, 2008.

Memorial Hermann Hospital diagnosed (b) (6) with chemical inhalation and hyperventilation syndrome. The report is attached and is part of this report. (b) (6) was prescribed ibuprofen and released to return to work March 7, 2008.

Conclusion: It appears from information gathered as part of this investigative process that (b) (6) may have been overcome by heat. The factors which are known and may have been contributing factors to heat exhaustion are consistent with the known symptoms of heat exhaustion and include but are not limited to the following:

- 1. Ambient temperature at the time of entry was $\sim 76^{\circ}$ F with 0 mph wind speed.
- 2. Internal vessel temperature was between 90° F and 100° F with the exhauster in service.
- 3. (b) (6) was donned in a Tyvek suit over his normal CES uniform clothing.
- 4. (b) (6) was also wearing a half face respirator
- 5. The cleaning process consisted of manual labor of shoveling solid material from the floor of the vessel.
- 6. An oxygen meter reading was taken using a Crowcon Tetra Gas Detector to determine the 02 level of the vessel internal where (b) (6) and the other CES employees were working. The result of the oxygen detector indicated a reading of 20.9% oxygen.
- 7. The other employees who were also in the vessel performing the same work did not indicate any abnormal conditions or changes in the atmosphere inside the ISO Tank.
- 8. (b) (6) and the other employees working inside the vessel were properly trained in confined space procedures, respirator fit, personal protective equipment and hazard communications. Records indicating (b) (6) training in the prior mentioned areas is attached and are part of this investigative effort.

What Unsafe Acts/Conditions Lead to Incident: Work commenced without a Confined Space Permit. No air monitor was in use prior to entry or duration of time in vessel. Respirator not properly used. Safety training protocols not properly followed.

Recommendations to Prevent Reoccurrence: Require Area Manager and HSE Manager to approve future vessel entry work. Institute immediate disciplinary action of letter of reprimand in the personnel files (b) (6)

Witnesses: Name:

Name

Name

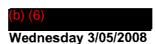
Prepared by: Karl A. Guidry Title: CES Environmental EHS Manager Initials

Approved by: Marlin Moser Title: Director Processing Initials

Memorial Hermann Hospital

Emergency Department 6411 Fannin Street Houston, TX 77030 (713) 704-4060

DISCHARGE INSTRUCTIONS FOR: FOR TODAY'S VISIT ON:



Thank you for using Memorial Hermann Hospital for your care today. It is important for you to know that the examination, treatment and x-ray reading you have received in the Emergency Care Center today have been rendered on an emergency basis only and are not intended to be a substitute for an effort to provide complete medical care. You should contact your follow-up physician as it is important that you let him or her check you and report any new or remaining problems since it is impossible to recognize and treat all elements of an injury or illness in a single emergency care center visit.

X-RAYS and LAB TESTS:

If you had x-rays today they were read by the emergency physician. Your x-rays will also be read by a radiologist within 24 hours. If you had a culture done it will take 24 to 72 hours to get results. If there is a change in the x-ray diagnosis or a positive culture we will contact you. (Make sure we have your local phone number.)

MEDICATIONS:

If you received a prescription for medication(s) today it is important that when you fill this you let the pharmacists know all the other medications that you are on and any allergies you might have. It is also important that you notify your follow-up physician of all your medications including the prescriptions you may receive today.

Care provided by Crouse, Heather MD with the diagnosis of Inhalation Carbon Noxious Fumes/ Gas.

Thanks again for using Memorial Hermann Hospital for your treatment today. The discharge instructions for today's visit are outlined below.

- CHEMICAL INHALATION
- HYPERVENTILATION SYNDROME
- Ibuprofen 600 mg 30 (thirty) 1 PO every 6 hours as needed for pain, take with food

Special Notes:

today you likely had effects from low oxygen. the mask you are using requires substantial oxygen and if the level is low in the tank then you will feel the effects of low oxygen and begin to hyperventilate. your x-ray, EKG and cardiac enzymes were negative. you may need to carry supplemental oxygen when cleaning this tank in the future.

I hereby acknowledge that I have received and understand the above instructions and prescriptic any).				
Moises Ramirez MRN # 038522416	ED Physician or Nurse			
Date				

PROBLEM(S)

CHEMICAL INHALATION

You have been exposed to chemical fumes. This may cause symptoms of cough, shortness of breath, throat irritation or upper chest pain. The treatment is to breathe fresh air. Symptoms should go away completely within 1-24 hours. Sometimes a pneumonia-like illness can develop within 24 hours after a chemical inhalation.

HOME CARE:

- 1) Breathe fresh air for the next few hours. Avoid closed spaces with poor air flow.
- 2) Rest until you are feeling back to normal again. This may take up to 24 hours.
- 3) During the next 24 hours, do not smoke cigarettes and avoid the smoke of others.

<u>FOLLOW UP</u> with your doctor or this facility if you are <u>not</u> feeling back to normal within the next 24 hours or if new symptoms appear.

[NOTE: A radiologist will review any X-rays that were taken. We will notify you of any new findings that may affect your care.]

RETURN PROMPTLY or contact your doctor if any of the following occur.

- -- Headache, dizziness, fainting
- -- Increasing shortness of breath
- -- Worsening chest pain
- -- Confusion, drowsiness or convulsions (seizures)
- -- Cough with lots of sputum
- -- Fever over 100.0' (37.8' C)

HYPERVENTILATION SYNDROME

Hyperventilation Syndrome is a condition in which you lose control of your breathing. You may find yourself breathing too fast and/or too deep. This can be triggered by a number of different causes. These causes include pain, anxiety and emotional stress. If hyperventilation continues for more than a few minutes, it can lead to a number of frightening symptoms. These symptoms include:

- -- Numbness and tingling of the hands, feet and face
- -- Dizziness
- -- Feeling like you cannot get enough air
- -- Chest pains
- -- Fainting or feeling like you are going to faint

Once these symptoms begin, it is often hard to stop them because they lead to a cycle of more anxiety and more hyperventilation. It is important to understand that this is not a life-threatening condition and it will eventually stop once you relax or fall asleep.

HOME CARE:

- 1) Rest today.
- 2) If symptoms return, you should sit or lie down. Remember that what is happening to you is temporary and will pass.
- 3) Breathe into a paper bag, held tightly around your mouth, for 5-10 minutes at a time. This may help break the attack. Rebreathing your own air helps minimize the symptoms of hyperventilation.

FOLLOW UP with your doctor or as directed by our staff if symptoms recur.

RETURN PROMPTLY or contact your doctor if any of the following occur:

- -- Shortness of breath, wheezing
- -- Fever over 99.5 without an obvious explanation
- -- Coughing up blood or chest pain that is made worse with each breath

- Redness, pain or swelling of the legRinging in your ears, headache
- -- Weakness or fainting

PRESCRIPTION(S)

' Memorial Hermann Hospital / Memorial Hermann Children's Hospital Discharge Instructions for: (6) (6)

Patient Copy

Memorial Hermann Hospital Emergency Department 6411 Fannin Street Houston, TX 77030 (713) 704-4060

Patient Name: (b) (6) Date: 3/05/2008			
AGE:		Wt	_lbs kg
A generically equivalent drug propractitioner has hand written the Medically Necessary On Research PRES (Sig: 1 PO every 6	words "Brand Ne e of the proscripti Bur of 600 Dispense#: 30 (th	TED DNS	"Brand
Refills: 0 Signature ID# Crouse, Heather MD	Chambers, Kimberi	v MD	

DIAGNOSIS:	☐ Memorial Herma The Woodlands	ann Hospital – 281-364-2328	☐ Memorial Hermann Memoriał City Hospital – 713-242-3593
ZNHALATIONS V.	□ Memorial Herma		Hemorial Hermann Hospital – 713-704-3100
H77.	☐ Memorial Herma Southwest Hosp	ann ital – 713-456-5527	☐ Memorial Hermann Southeast Hospital 281-929-4746
Date of Service: 3/5/08	Memorial Herma Katy Hospital – 2		
	SELECT ONLY ONE	DUTY RELEASE	
FULL DUTY RELEASE: FULL RELEASE - R Released to regular duty Released to regular duty with follow-up Off the remainder of today. Return to re	o appointment as in		
LIMITED DUTY RELEASE: MODIFIED DUT Released to return to work	vered	with the following rest Lifting: No lifting restriction 10 lbs. maximum an carrying small items 20 lbs maximum wit and/or carrying obje	s id occasionally lifting and/or i. th frequent lifting up to 10 lbs. cts weighing up to 10 lbs. th frequent lifting and/or caring of
OFF DUTY: (If one full workday of the injuing Off duty until re-evaluated by follow-up SERVICES PROVIDED: Denitial Visit		eleased to regular du	
WORK-RELATED PRESCRIPTIONS: Were a			es - List: TRUPNOFER
URINE DRUG TESTING:		L'TESTING:	es - List. 4 1711 10 7-01
Mon-DOT DOT N/A		tial Breath Test	□ Saliva □ N/A □ Blood Alcohol
REFERRAL INFORMATION: Occupati	onal Medicine will s	chedule follow-up app	pointment
□ Referred to: Company m. Address:	vill schedule follow-	. -	ne:
*Follow-up with the physician / clinic or	า:	J	
SIGNATURES: Physician's Signature: (b) (6)	wn.	HG HTHEK Print Physician	(nouse M.D.
Patient's Signature:			EE/Occ. Med. Staff Signature
Memorial Hermann Hospital System For Your Whole Life.**		,	A:03/05/08
Return To Work OCCUPATIONAL MEDICINE	 	(b) (6)	23Y SER:EMR
1702 10/04			



EMPLOYER'S AUTHORIZATION FOR EXAMINATION OR TREATMENT

	(MUST PRESENT PHOTO ID AT TIME OF SERVICE)				
Patient Name:	SSN: (b) (6)				
Company Name: <u>CES Envisonmental Services</u> , 1					
Location #/Street Address: 4904 Griggs Road, Houston;	Date of Injury: _NA				
Temporary Staffing Agency:					
WORK-RELATEDINJURYILLNESS Post-Accident Substance Abuse Testing:Drug ScreenBreath AlcoholDrug Screen and Breath AlcoholUrine Collection OnlyDOT RegulatedNon-regulated	DOT PHYSICAL Preplacement Recertification Exit Audiogram Regulated Drug Screen Urine Collection Only Breath Alcohol				
PRE-PLACEMENT EVALUATION Job Title: WARCHOUSE TECHNICIAN Physical Exam HPE Regulated Drug Screen Non-regulated Drug Screen Urine Collection Only Hair Collection Audiogram SPECIAL PHYSICAL EXAMINATIONS	SUBSTANCE ABUSE TESTING Regulated Non-regulated Urine Collection Only Rapid Test Pre-placement Reasonable Suspicion Random Periodic Post-accident Follow-up Breath Alcohol				
Aspestos Respirator 3M full face; Scott full face Hazmat Baseline Other PFT	BILLING Employee to pay charges at time of service Workers' Compensation Insurance Co: Policy #: Phone #:				
Authorized By: Politian Mayar Phone: R 281-433-9792 (copies of this form available a	Title: HSE Manage Date: 8-16-07 t www.concentra.com)				

17/2007

LAST NAME FIRST NAME

FIT TEST REPORT

ID NUMBER

557452211

LAST NAME

FIRST NAME

CUSTOM1

CUSTOM2

COMPANY

CES ENVIRONMENTAL

CUSTOM3

LOCATION

HOUSTON,TX

CUSTOM4

NOTE

TEST DATE

08/17/2007

PORTACOUNT S/N

16663

TEST TIME

14:51

N95-COMPANION

DUE DATE

08/17/2008

HALF FACE

RESPIRATOR

3M 6000 HALF FACE [100]

PROTOCOL

OSHA 29CFR1910.134

MANUFACTURER

MASK STYLE

PASS LEVEL

100

Ν

MODEL

6000

APPROVAL

MASK SIZE MEDIUM

EFFICIENCY <99%

EXERCISE	DURATION (sec)	FIT FACTOR	<u>PASS</u>
NORMAL BREATHING	60	867	Y
DEEP BREATHING	60	1170	Υ
HEAD SIDE TO SIDE	60	939	Υ
HEAD UP AND DOWN	60	1270	Υ
TALKING	60	761	Y
GRIMACE	15	Excl.	
BENDING OVER	60	1460	Υ
NORMAL BREATHING	60	1500	Υ

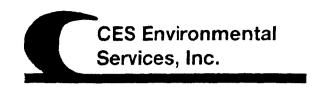
OVERALL FIT FACTOR

FITTEST OPERATOR

DATE 8-17-07

NAME

DATE



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

EMPLOYEE NAME:]

(b) (6)

8-16-07

RESPIRATORY PROGRAM

1. The CES possible res	Respiratory Protection Program was established to protect employees from spiratory hazards in their workplace. False
2. Possible vapors, and	respiratory hazards found in the workplace are: Inhalation of sprays, gases, l/or dusts.
True	False
3. Types of Respirators	respiratory protection include Air Purifying Respirators, Air Supplied , and Filter Masks.
True	, and Filter Masks. False
4. Air Purify to breathe.	ring Respirators can only be used in environments that have sufficient oxygen
True T	False
chemical(s)	tridges for Air Purifying Respirators are color coded to identify the hazard from which they provide protection.
True	False



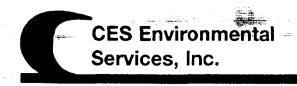
4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

EMPLOYEE NAME: 60 6

8-16-07

Hazard Communications

1	Which of the following will be found on a Material Safety Data Sheet (MSDS)?
	Spill and Leak Procedures /
	Health Hazard Information /
	Special Protection Information
	All of the Above
2	Which of the following is considered a chronic illness?
	A chemical burn that heals in a couple of days.
	Cancer caused by over exposure to a chemical 5 months ago.
	Both A & B
	None of the above
3	Employee exposure report forms should only be filled out if you have suffered an acute (immediate) chemical injury such as an acid burn.
	True
	False
4	The MSDS sheet will tell you what personal protection equipment is required when working around a specific chemical.
	True
	Faise
5	The MSDS station for this facility is located at the tank wash office.
	True
	False
6	Any unattended container with a substance shall have a label to identify the contents of the container.
	True
	False





4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

EMPLOYEE NAME:

DATE: 8-16-07

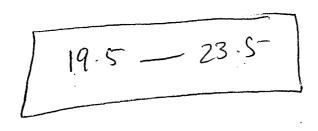
	FORKLIFT
1.	You must be trained and authorized by your company to operate a forklift. True False
2.	A forklift must be inspected at the beginning of each shift. True False
3.	You can operate a forklift that is leaking liquids. True False
4.	It is acceptable to drill holes in the forklift's blades. True False
5.	When traveling down a ramp, the load should be pointed down ramp. True False
6.	Use of seatbelts is optional when operating a forklift.
	True 7 False
7.	Each model of forklift has a specific forklift capacity. True False
	1 HILD

Employee: 1(b) (6)	en en propriété	o.	Instructor:		1807-
Company/Division:		•	Date:	8-16-07	

CONFINED SPACE TRAINING TEST

Directions: Read each statement carefully and circle the response that most fully answers the question.

- 1. Before an entry supervisor can sign the entry permit allowing permit space operations to begin, he or she must verify that:
 - A. All entrants have the proper training
 - B. All permit space hazards and entry conditions are listed
 - (C) All required tests are done and all procedures and equipment are in place
 - D. All procedures and equipment are in place
- 2. As an entry supervisor you should know the following about the hazards of a given permit space:
 - A. What they are and the signs and symptoms of exposure
 - B. What they are, signs, symptoms and the consequences of exposure
 - What they are, how the entrant can be exposed, signs, symptoms, and consequences of exposure
 - D. What they are and the behavioral effects of exposure
- 3. An entry supervisor must do which of these in regard to a rescue service:
 - (A.) Make sure it is available and that there is a plan to summon it
 - B. Make sure it has the appropriate rescue equipment
 - C. Summon it when necessary
 - D. The entry supervisor has no responsibilities for rescue services
- 4 There is danger of apphysication as sufficiently if the oxygen level rails below:
 - A. 20.9% B. 19.5%
 - C. 17.5%
 - D. 22%



1.	You are not required to wear PPE at the CES facility.	!
- 1	True	Ì
(False	
2.	Eye and face protection must:	
	A. Be appropriate for the hazard	
	B. Fit snugly but not interfere with the wearer's movemen	ts
	Be easy to clean and kept in good repair	
•	D.) All of the above The shell of a helmet can be damaged by:	
ي.	A. Certain types of paint and cleaning solutions	
	B. Drilling ventilation holes	
	C Continual exposure to sunlight and high temperature	
	(D) All of the above	
4.	Protective footwear is required to protect against electrical has	zards or objects
	falling on, rolling over, or puncturing the foot.	•
(True	
•	False	
5.	When working with pressure washers the recommended eye as	nd face protection is
	goggles and a face shield.	
	True	
	False	
	You should always wear metatarcal guards when you are work	king with or around
	a nydro blaster.	
	True False .	and the second s
	For a positive fit test for a half or full-face respirator you shou	uld nlace your nalme
	over the exhalation valve, exhale into the mask, and feel the p	
	True	topolar of the manner.
L	False	
8.	Respirators should be cleaned regularly with alcohol.	
((True)	
Ĺ	False	
9	Noise-induced hearing low.	
	A. Is irreversible	
	B. Cannot be repaired with surgery or drugs	to the contract of the contrac
	Has a negative effect on interpersonal communication	l
10	(D). All of the above PPE can help reduce accidents and injuries.	
10.	True	
Ç	False	;
_		1
lame (b	Date 8 - 16 - 07	
		:

Concentra Medical Centers

10909 I-10 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING:	Address:
Employee Name: (b) (6)	(b)
	(b) (6)
Employer: CES Environmental	Employee SSN: (b) (6)
Check Type of Respirator(s) To Be Used (Check ✓ ALL that apply)	Extent of Useage (Check ✓ ALL that apply)
☐ Air-purifying (non-powered) ☐ Air-purifying (powered)	On a daily basis Total Hours
Atmosphere supplying Respirator	Occasionally - but not more than twice a week Total Hours
Combination air-line and SCBA	Rarely - or for Emergency situations only Total Hours
Continous-Flow Respirator	Expected Physical Effort Required (Check ✓ ALL that apply)
☐ Supplied-Air Respirator	☐ Light ☐ Moderate ☐ Heavy
Open Circuit SCBA Closed Circuit SCBA	Exposure to Hazardous Materials (Check ✓ ALL that apply)
☐ Dust Mask ☐ 1/2 Face with Canisters ☐ Full Face with Canisters	
Make: Model: Cartridge:	Arsenic Benzene
Special Work Conditions	☐ Coke Oven ☐ Cotton Seed / Dust☐ Cadmium ☐ Formaldehyde
(Check YALL That Apply When Wearing Respirator)	☐ Cadmium ☐ Formaldehyde ☐ Lead
High Places	☐ Textiles ☐ Chromium
☐ Temperature Extremes ☐ Mostly Cold ☐ Mostly Hot	
Other:	Other(s):
Questionare will be: HAND CARRIED MAILED OTHER	EVALUATION AUTHORIZATION BY:
	Signature of Employer Representative
DO NOT WRITE BELOW THIS LINE 4D DO NOT WRITE	BELOW THIS LINE DO NOT WRITE BELOW THIS LINE
PLHCP WRITTEN STATEMENT for RESPI	
PHYSICIAN WILL COMPLETE THE FOLLOWING	Tottotto (Elin EoTEtt)
This report may contain confidential medical information and is intended for the designated employed	er contact only. The Americans with Disabilities Act
(ADA) imposes very strict limitations on the use of information obtained during physical examination	· · · · · · · · · · · · · · · · · · ·
must be collected and maintained on seperate forms, in seperate files, and must be treated as a co	·
 Supervisors and managers may be informed about necessary restrictions on the work or duties 	
First aid and safety personnel may be informed, when appropriate, if the disability might require	emergency treatment.
Based upon my findings, I have determined that this individual (Check VALL that apply)]
Demoloyee must schedule a medical examination with Concentra Medical Centers	prior to respirator approval and usage.
Class I - No Restrictions on Respirator Use	
Class II - Some Specific Use Restrictions	or Escape Only Other:
Class III - Respirator Use is NOT PERMITTED	
Further Testing / Evaluation is Required. ²	
Fit Test Required Fit Test Performed Satisfactorily	
Fit Test Performed Unsatisfactorily Fit Test NOT Performed at: Concentr	a Medical Centers
	escription eyewear needed to accommodate respirator
Facial hair needs to be shaved to assure tight seal on certain face masks.	
Physician or other Licensed Healthcare Professional	
Employee must seek further medical evaluation by a private physician who must submit a report of his/her findings to	10 Concentra Medical Centers
(Check ALL that apply)	
The above individual <u>HAS</u> been examined for respirator fitness in accordance with 29 CFR 191	· · · · · · · · · · · · · · · · · · ·
use only. Employees should be instructed to report any difficulties in using respirators or chang	e of any physical status to their supervisor or physician.
This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134. The above individual <u>HAS NOT</u> been examined by me for respirator fitness. The employee's meaning the second of t	nedical evaluation consisted of a review of OSHA's Medical Evaluation
Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limite	
to report any difficulties in using respirators or change of any physical status to their supervisor	
outlined in 29 CFR 1910.134.	ត្រូវ
In accordance with specific OSHA requirements, I have informed the above named individual of	
exposures that may require further explanation or treatment. Where applicable, the above name	<u> </u>
attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposi	ure(s). Jennifer Riggens, PAC
Physician's Sidnature	
Physician's Signature	Physician's Name (Printed)
Dh. alala I.	TOPINO DILITOR
Physician's License Number (Optional in Most States)	Date of Exam Expires On
r plan etmt reen employer	Dist Date of Troops
r_plhcp_stmt_resp_employer Page 1 of 1 To be maintained in the employee's file w	Print Date: 08/17/2007 with a copy to the employee Revision Date: 06/29/1999

Concentra Medical Centers

10909 I-10 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

PLHCP¹ WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date:	08/17/2007	(b) (6)
Employee Na	me:	Employee SSN:
b) (6)		
Address:		
(b) (6)		$\sim CQ$
		a Ós
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
		L A
Employer:	CES Environmental	् <u>अ</u> क
<u> </u>	-land in this age	Part of the substitute of the
	aluated in this oπice of you pirator. (Check <mark>✓ one</mark> that	ur medical status related to your physical capability t applies)
There wer	e no abnormal findings that	would hamper your ability to perform your job duties while wearing a respirator.
		re not related to wearing a respirator but should be reported to your
	physician for further evaluation	
<u> </u>		ent.
		<u> </u>
Based upon	the results of this evaluat	ion it is my opinion that you: (Check 🗸 <u>ALL</u> that apply)
ARE quali	ified to wear a respirator.	
	following restrictions concerr	ning respirator usage:
	qualified to wear a respirato	
	· ·	physician who must submit a written report of his/her findings to
•	a Medical Centers	so that a final decision on your ability to wear a respirator can be made
		ear needed to accommodate respirator.
	an Eye glass conversion kit.	
-		re tight seal on certain face masks.
□ Need to s		To tight odds, on obtain tood mooks.
11000 10 0	- Section of the sect	
(Check $\sqrt{\ \underline{I}}$	ALL that apply)	
The above inc	dividual HAS been examined for respirate	or fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator
		y difficulties in using respirators or change of any physical status to their supervisor or physician.
	on included the Respiratory Questionnaire	
		e for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation ordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed
		of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire
	CFR 1910.134.	
_		e informed the above named individual of the results of this evaluation and of any medical conditions resulting from Iment. Where applicable, the above named individual has been informed of the increased risk of lung cancer
		estos, lead and/or other chemical exposure(s).
attributable to	ust be properly selected based on the conta	ninment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction
Respirators me and warnings	for proper use contained on the respirator p	nackaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness
Respirators me and warnings	for proper use contained on the respirator p tickness or death. Wearer must be trained in	backaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit,
Respirators me and warnings a and result in s	for proper use contained on the respirator p tickness or death. Wearer must be trained in	
Respirators me and warnings a and result in s	for proper use contained on the respirator p tickness or death. Wearer must be trained in	
Respirators mi and warnings : and result in s use and/or lim	for proper use contained on the respirator pickness or death. Wearer must be trained in litations.	the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit,
Respirators mi and warnings and result in s. use and/or lim	for proper use contained on the respirator prickness or death. Wearer must be trained in intations.	the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, Employee's Signature
Respirators min and warnings and result in susceeding the suscend of the suscend	for proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations.	the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit,
Respirators mi and warnings and result in s. use and/or lim	for proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations.	the proper care of any respirator.Refer to product literature and packaging for specific information regarding fit, Employee's Signature
Respirators mand warnings and result in suse and/or lim PLHCP Sign PLHCP Nan	for proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations. The proper use contained on the respirator prickness or death. Wearer must be trained in itations.	Employee's Signature \(\frac{\frac{1}{\hat{\text{\$\gamma}}}{\frac{1}{\hat{\text{\$\gamma}}}{\text{\$\gamma}}} \)

r_plhcp_stmt_resp_employee

Page 1 of 1

i II. Print Date:

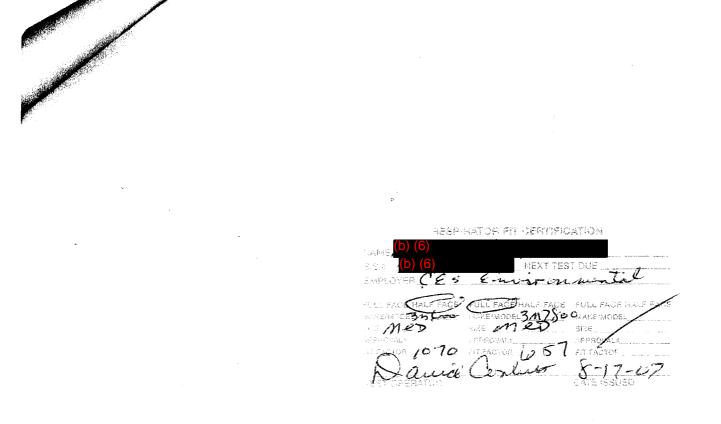
08/17/2007

Revision Date: 04/06/2000

Concentra Medical Centers
10909 I-10 East Frwy Houston, TX 77029
Phone: (713) 973-7943 Fax: (713) 973-7947

	RESPIRATO	ORY FIT TEST A	SSESSMENT RECORD)		
4	08/17/2007		Respirator Type:			
pate: oyee Name:	(b) (6)		Respirator Model:			
SSN:			Cartridge Type:			
ployee SSN:	CES Environmental	· · ·	Anticipated Usage:	Minute	es/dav	·
Employer:	CES Environmental		/ Imporpated Coago.	Hours	•	
Department:		· · · · · · · · · · · · · · · · · · ·		Days/v	•	
Qualitative Fit Test	t (QLFT) Protocol used:		Exercise (each exercise sh	hall be conducted	d for one m	inute
	(Respirator must be equipped with an o	organic vapor filter)	except for grimace which			
-	n (Must use DeVilbiss Model 40 Inhalat					ŕ
Nebulizer or equi	valent)		Breathing Normal		Pass	Fail
□Bitrex (Denatoniu	m Benzoate) Aerosol		Deep		Pass	Fail
	st (QNFT) Protocol used:		Head		Pass	Fail
	amber: Circle one of the following:		Turn Left		Pass	Fail
Corn Oil			Turn Right		Pass	Fail
Polyethylene glyc	,		Side: Left		Pass	Fail
di-2-ethyl hexyl se	ebacate (DEHS)		Side: Right		Pass	Fail
Sodium Chloride	alai Cauratan ay III da		Move Up		Pass	Fail
	clei Counter: ambient aerosol	to google	Move Down		Pass	Fail
	lonned respirator at least 5 minutes pric	, ,	Talking			
•	conducted user seal check Interfering with a satisfactory fit must be	(71) to	Name		Pass	Fail
	ntertening with a satisfactory lit must be liven a description of the fit test and his	the same of the sa	SSN#		Pass	Fail
	ssessment.	mer responsibilities	Read		Pass	Fail
•	vore applicable safety equipment during	ı fit test	Rainbow Passage observ	ved by tester	Pass	Fail
•	omfort (C: Comfortable, NC: Not Com	•	Facial Expressions			
	of the mask on the nose	nortable,	Grimace		Pass	Fail
	eye protection	water site.	Smile		Pass	Fail
C NC Room to	•	and the second	Frown		Pass	Fail
	of mask on face and cheeks		Body Movement		_	
	it (A: Adequate, NA: Not Adequate)		Bend at waist		Pass	Fail
A NA Chin prop			Jog in place		Pass	Fail
A NA Adequate	e strap tension, not overly tight	J2134	Subject rates comfort of resp	pirator: 1 2 3	3 4 5 6	7 8 9 10
A NA Fit across	s nose bridge	on Mor		Least		Most
A NA Proper siz	ze to span length from nose to chin		Yes No Subject made no a	ttempt(s) to adjust	t respirator	during assessmen
A NA Tendency	y of respirator to slip		Assessment (CHECK ✓AL	LL THAT APPLY)		
A NA Subject o	bserved self in mirror to evaluate fit and	d position.	Test discontinued due to:	·		
Physician's Com	and you have have		☐ Hair growth; beard	d, mustache, sidel	ourns which	cross respirator
-	Car		sealing surface,			•
			Difficulty breathing			
 -			□ ——— Comfort or Fit of r		cceptable to	employee.
	<u> </u>		Recommendation	(s)		
Clas	ss I FVC - 75% or more; FEV1/FVC Rat	tio:70 % or more (Ref	fer to Guideline Chart\			
	Restrictions on Respirator Use		er to dudenine charty			
	ss II FVC 60%-70%; FEV1/FVC Ratio 6	0%-70% of Predicted	(Refer to Guideline Chart)			
	ne specific restrictions on respirator use		(reserve Caladamie Charty			
	ss III FVC 50%-60%; FEV1/FVC Ratio 5		d (Refer to Guideline Chart)			
_	pirator use not permitted		1.01			
	her testing required:		े पुरवर्ग			
	ject to return after facial hair is removed	d for completion of As	ssessment by			
	, ject is to be given the opportunity to sel			ment by	 _	
the a	DAG		•	aniier Rigg	ane D	
Ing	& LAC		J.			
() Physic	ian's Signature			Physicia	n's Name	(Print)
	This record is to be maintained by the e	F . F 7	e with 29 CFR 1910.134 Paragrap mployee is required to wear a res			

r_resp_fit_test_ass	es	Page 1 of 1		Print Date: Revision Date	08/17/200 06/29/199	



Concentra Medical Centers

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Physical Exam

Service Date: 08/17/2007	
--------------------------	--

Date: 08/17/2007 Weight: 132 Temperature: Vision: Uncorrected Corrected Visual Fields esting/12/64 Pulse 72 Repeat B/P Near Rt2 グン Near Rt Pulse Lt Respirations/min Color(NL) AB Distant Rt) *D*Distant Rt Hearing to forced whisper @ 5 feet **Depth Perception** AB <u>Heart</u> Reflexes **HEENT** Rhythm NL AB Babinski NL AB Eyes Auscultation **M**EG POS Romberg AB AB Abdomen NL AB Globe Pupillary Rt **Pupils** AB Abd. surg. scar NL AB Lt EOM's ' AB **Hernia** Rt NL Å₿ Accom. Funduscopic NL AB Umbilical Lt NL Å₿ Ocular Pressure: Inguinal **Biceps** Rt NL AВ AB Rt AB Femoral Lt NL AB Lt AB Varicocele 3) Rt NL Knee Upper Extremity 13 NL **/**AB Ears Lt Canal Clear Rt NL ' AB Hands/Fingers .../ NL AB Ankle TM Visualized Y Legs NL AB l t AB Proprioception Scarring of TM Ν Knees NL AB Up. Ext. Rt NL AB Ν Υ Drainage Knee surg. scar NL Lt Feet/ankles NL AB Nose Low. Ext. Rt NL 'ΑΒ Varicosities NL AB Mouth Lt AB NL Teeth Up. ext. strength AB AB Sensory Examination; AB Throat NL AB Up. ext. ROM Up. Ext. Rt ŃL Skin NL AB Low. ext. strength NL AB Lt NL AB Neck AΒ NL AB Low. ext. ROM NL Low. Ext. Rt ΑB AΒ **Thyroid** Back/spine ROM AB Lt NL Chest Wall AΒ Back surg. scar **OPTIONAL:** Lungs AB Neurological Exam: Genitalia Cran. nerves 2-12: NV AB Breast AB Comments: Rectal **ANCILLARY STUDIES** -815 Albumin_ Urinalysis Spec. Gravity: **EKG** N/A AB See Results Comments: Comments: Lumbar X-Ray N/A NL ΑĒ See Results **Pulmonary Function Test:** Comments: FEV1 FVC FEV1/FVC Respirator Qualified? Y N Chest X-Ray NL AB See Results Comments: Comments: Impairment Rating: N/A **Blood Analysis** NL AB See Results Comments: Comments: Audiogram N/A NL AB See Results 51

Eval - Pre-Placement

Comments:

Page 3 of 4

Revision Date: 01/14/2004

Concentra Medical Centers 10909 I-10 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

Physical Exam

SSN: (b) (6)

Service Date: 08/17/2007

Date: 08/17/2007

Examination Results

perform essential functions as lis	ited.
	as listed. Please list failed essential function(s):
	- NX i
No medical restrictions are indicated.	
The following medical restrictions are inc	dicated:
Recommend further evaluation.	
Remarks:	

Jennifer Riggens, PAC

Provider Print Name Here

Eval - Pre-Placement

Page 4 of 4

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Revision Date: 01/14/2004





FIT TEST REPORT

ID NUMBER 557452211

LAST NAME (b) (6) CUSTOM1
FIRST NAME (b) (6) CUSTOM2
COMPANY CES ENVIRONMENTAL CUSTOM3
LOCATION HOUSTON,TX CUSTOM4

NOTE

 TEST DATE
 08/17/2007
 PORTACOUNT S/N
 16663

 TEST TIME
 15:01
 N95-COMPANION
 N

DUE DATE 08/17/2008

RESPIRATOR 3M 7800 FULL FACE [500] PROTOCOL OSHA 29CFR1910.134

MANUFACTURER 3M PASS LEVEL 500

MODEL 7800

MASK STYLE FULL FACE APPROVAL

MASK SIZE MEDIUM EFFICIENCY <99% N

EXERCISE FIT FACTOR DURATION (sec) PASS NORMAL BREATHING 60 441 Ν **DEEP BREATHING** 60 681 **HEAD SIDE TO SIDE** 60 612 **HEAD UP AND DOWN** 60 731 **TALKING** 814 60 **GRIMACE** 15 Excl. **BENDING OVER** 60 709 NORMAL BREATHING 60 789

OVERALL FIT FACTOR

D.CORBETT

FITTEST OPERATOR \ \ Levil (values DATE

NAME DATE

(6) (b) (6)



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676

Fax

Prabhakar R. Thangudu Texas Mutual To: From: Mobile: (281) 433-9792 512-224-3889 Fax: Pages: 3 03-06-2008 Date: Phone: Gentlemen: DWC Form 1 Employee: CALDERON Social Sec # (b) (6)

Please let me know if you need additional

information

Thanks,

of the control of t					
Send the specified copies to your Workers' Compensation Insurance Carrier and the injured employee.					
*Employers - Do not send this form to the Texas Department of Insurance, Division of Workers' Compensation, Unless the Division specifically requests a direct filling.	CLAIM#_				
EMPL OVERS FIRST REPOR	CARRIER'S C		O II I NEC	<u> </u>	
EMPLOYERS FIRST REPORT 1. Name (Last, First, M.I.)	15. Date of Inju		16. Time of In		7. Date Lost Time Began
1. Name (Last, First, M.I.) (b) (6)	03-05-2	2008	: am	□ pm [[]	m-d-y) NA -
3. Social Security Number 4. Home Phone 5. Date of Birth (m-d-y) (b) (6)	18. Nature of In			dy Injured or Exp	
6. Does the Employee Speak English? If No, Specify Language	20. How and V	Vhy Injury/Iline	l		<i></i>
YES M NO	Became	di 334	while	WALAN	ig in the tank
7. Race White 8. Ethnicity Hispanic 1	21. Was emplo doing his regular job	YES D	22. Worksite L ISO Con		(stairs, dock, etc.)*
Black Asian Native American Other S. Mailing Address Street or P.O. Box			Exposure Occur	red Name of bus	siness if incident
(b) (6)	occurred or	n a business s 904 G	inings R	and	
City State Zip Code County PASAJENA TX 77505 Harris 10. Marital Status					10
Married ☐ Widowed ☐ Separated ☐ Single ☐ Divorced ☐				ZIP COC	ie 77021
11. Number of Dependent Children 12. Spouse's Name (b) (6)	24. Cause of Ir Becan	njury(fall, tool, ne dis	-		
13. Doctor's Name	25. List Witnes	ses			
14. Doctor's Mailing Address (Street or P.O.Box)	26. Return to w date/or expec (m-d-y)		d employee e?	28. Supervisor's Name	29. Date Reported (m-d-y)
City State Zip Code	03-07-2	ng YE	SON DS	Manlin Moser	03.06.2008
30. Date of Hire (m-d-y) 31. Was employee hired or recruited in Texas?	32. Length of S	ervice in Curr	ent Position	33. Length o	of Service in Occupation
08-08-2007 YES D NO D	Months	6 Years_	0	Months	Years 2
34. Employee Payroll Classification Code 35. Occupation of Injured Work HELPEY	_				
36. Rate of Pay at this Job 37. Full Work Week is: \$ Hourly \$ Weekly Hours Days	38. Last Paych	eck was: r <u>59</u> Hours	or Days	or Corpo	yee an Owner, Partner, prate Officer?
	4101			YES 🗖	NO M
PRABHAKAR R. THANGUDU, HSE MANAGER		Environ		Services	, Inc
42. Business Mailing Address and Telephone Number Street or P.O. Box Telephone 4904 Gaigs Rad (713) 676 - 1460	43. Business L Number an		erent from mailin	g address)	
City State Zip Code HOUSTON TX 77021	City		State	Zi	p Code
44. Federal Tax Identification Number (b) (6) 45. Primary North American Industry Classification Code: (6 digit) 562219	ation System		NAICS Code 562219	47. Texas Con (b) (6)	nptroller Taxpayer No.
48. Workers' Compensation Insurance Company TEX AS MUTUAL	49. Policy Num		108604	4	
50. Did you request accident prevention services in past 12 months? YES NO If yes, did you receive them? YES NO	_				
51. Signature and Title (READ INSTRUCTIONS ON INSTRUCTION SHEET BEFORE SIGN	VING)	Date	3-6-	08	

DWC FORM-1 (Rev. 10/05) Page 3



DIVISION OF WORKERS' COMPENSATION

Employee Acknowledgment of Workers' Compensation Network

I have received information that tells me how to get health care under my employer's workers' compensation insurance.

If I am hurt on the job and live in a service area described in this information, Lunderstand that:

- 1. I must choose a treating doctor from the list of doctors in the network. Or, I may ask my HMO primary care physician to agree to serve as my treating doctor. If I select my HMO primary care physician as my treating doctor, I will call Texas Mutual at (800) 859-5995, extension 2880 to notify them of my choice.
- 2. I must go to my treating doctor for all health care for my injury. If I need a specialist, my treating doctor will refer me. If I need emergency care, I may go anywhere.
- 3. The insurance carrier will pay the treating doctor and other network providers.
- 4. I might have to pay the bill if I get health care from someone other than a network doctor without network approval.
- 5. Making a false or fraudulent workers' compensation claim is a crime that may result in fines and or imprisonment.

(b) (6) Printed N	ame	9	2 <u>- 16 - 0 F</u> Date
I live at:	Street Address		
ک	PASADENA City	T _X State	77 50 5 Zip Code
Name of Employ	er: CES Envitionmen	tal Sovices,	Inc
Name of Network	k: Texas Star Network _{SM}		
	ce areas are subject to chang -8067 if you need a network		
	hether this is the:		
🖒 Initi	al Employee Notification		
🛚 Injur	y Notification (Date of Injury: <u>03</u>	1 05 12008)	

DO NOT RETURN THIS FORM TO TEXAS MUTUAL INSURANCE COMPANY UNLESS REQUESTED

Employee Notice of Network Requirements - 03/06

Page 8 of 8

******* -IND. XMT JOURNAL- ********* DATE MAR-06-2008 **** TIME 16:35 ******

DATE/TIME = MAR-06-2008 16:33

JOURNAL No. = 035

COMM. RESULT = OK

PAGE(S)

= 003

DURATION

= 00:01:12

FILE No.

= 800

MODE

= MEMORY TRANSMISSION

DESTINATION = 15122243889

RECEIVED ID =

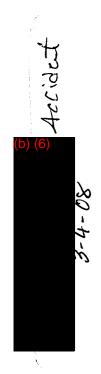
RESOLUTION = STD

-CES Environmental Service-

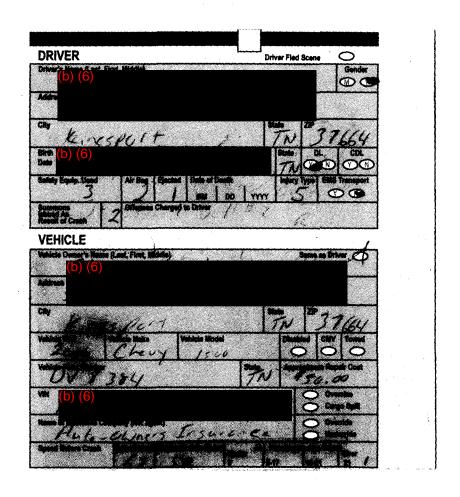
**** DP-3010 *********** -

_ **** _

713 676 1676- *******



David recrended this driver in Virginia. Gave the info to Chad Bigham at Ins Alliana. Also spoke to Mike Hampton at Als 515-221-6886 and gave him all the info.



Chiswell, V4

David rearended this

in Car

in X

AIG: Mike Hampton 515-221-6886

David Vandenberg

accident

3-20-08 Spoketi Mike Kic him Dev MAR 2 4 2008

AIG Domestic Claims, Inc. Property/Casualty Division

P.O. Box 25588 Shawnee Mission, KS 66225 (800) 242-2921 (all other) Fax (866) 723-0109 (new losses) Fax (866) 854-4926

AUTOMOBILE LIABILITY NEW CLAIM ACKNOWLEDGEMENT

March 19, 2008

CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD

HOUSTON, TX 77021

Attn: RISK MANAGEMENT / CLAIMS

RE:

Insured

: CES ENVIRONMENTAL SERVICES INC

Carrier

: Commerce & Industry

Date of Loss

: 03/04/2008

Date Reported

: 03/17/2008

Claim Number

: 684-223462

Date Received

: 03/17/2008

This letter will confirm receipt of the above referenced claim.

ADDITIONAL CLAIM INFORMATION:

Policy Number

: 005062132

Loss Location

: 181 NORTH RT 99 UNKNOWN, VA

Description of Loss

: VEH1 HAD TO SLOW DOWN DUE TO PREVIOUS ACCIDENT / RAIN / INS VEH

REAR ENDED VEH1

Insured Driver

(b) (6)

RISK ANALYSIS INFORMATION:

Level 1: Level 2: Level 3: Level 4: Level 5:		 	
Level 2:			
Level 3:		 	
Level 4:			
Level 5:			
Level 6:		 	

CLAIMANT INFORMATION:

	1	
Symbol	Name	MJC
001	(b) (6)	006
002	(b) (6)	006
003	(b) (6)	007
004	CES ENVIRONMENTAL SERVICES INC	009

If you have any comments or questions, please feel free to contact me. Kindly refer to the above claim number on any correspondence.

Sincerely, MICHAEL HAMPTON FAST TRACK REP 250-PC DES MOINES, IA (515) 221-6886 michael.hampton@aig.com Original

AIG Domestic Claims, Inc. Property/Casualty Division

(new losses) Fax (866) 854-4926

P.O. Box 25588 Shawnee Mission, KS 66225 (800) 242-2921 (all other) Fax (866) 723-0109

AUTOMOBILE LIABILITY CLOSED CLAIM NOTICE

January 28, 2009

CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD

HOUSTON, TX 77021

Attn: RISK MANAGEMENT / CLAIMS

RE: Insured : CES ENVIRONMENTAL SERVICES INC

Carrier : Commerce & Industry

The above captioned claim has been closed. The following amounts were paid on the claim:

	· · · · · · · · · · · · · · · · · · ·	p-			
Symbol	Claimant	MJC	Indemnity	Medical	Legal
001	(b) (6)	006	\$1,000.00		\$90.35
002	(b) (6)	006	\$15,000.00		
003	(b) (6)	007	\$2,714.01		\$84.00
004	CES ENVIRONMENTAL SERVICES INC	009			

ADDITIONAL CLAIM INFORMATION:

Policy Number : 005062132

Loss Location : 181 NORTH RT 99 UNKNOWN, VA

Description of Loss : VEH1 HAD TO SLOW DOWN DUE TO PREVIOUS ACCIDENT / RAIN / INS VEH

REAR ENDED VEH1

Insured Driver : (b) (6)

RISK ANALYSIS INFORMATION:

INDIA MANAGEMENT	II ORUMINI IOIN			
Level 1:				
Level 2:				
Level 3:				
Level 4:				
Level 5:				
Level 6:	T		 	

Thank you for allowing us to serve you on this claim. Please contact me if you have any questions or comments.

Sincerely,
MICHAEL HAMPTON
CASUALTY SPECIALIST
250-DES MOINES, IA - PROPERTY/CASUALTY
(515) 221-6886
michael.hampton@aig.com
Original

4 carount 1-24-08

2-7-08 Michelle Gratlin New Claim Ferson 713-316-2120 TEXAS Mutual Claim # 9050000517921

Texas Mulual Confact - Marilyn Reyer 713-316-2105 FAX 713-316-2191

Pg 2 - DVIC-3 lalage Statement to Accent 1-31-08 For last 13 WKs hours + EARNings

FAX - Employée Acknowledement Customer DrFo Rain for lent

2-1-08 Report return to work status to Manilyn/phillip
-877-605-0005

2-4-08 Cynthia P called from, DN. Rector's Office 1713-650-6900 (15tho) at 7x Med Cfz]

Attending Physician (15tho) at 7x Med Cfz]

DM-Allan Rector 281-829-2000 - 206

D4-Allan Reter 281-829-2000 - 200 Gloria: 888-252-5075 119 Fode Ex 2224

with Coventry - does medical for Texas Mutual

Released Jan 31 with restrictions to last though 2-15-08



TEXAS DEPARTMENT OF INSURANCE, DIVISION OF WORKERS' COMPENSATION STATEMENT OF PHARMACY SERVICES Send this form to the injured employee's workers' compensation insurance carrier.

Coverage Verification

☑ In accordance with Rule 134.501, I affirm that I have verified the workers' compensation insurance coverage for this employer, confirmed that a work-related injury of the employee named below has been reported to the employer for the listed date of injury, and have kept documentation regarding the means of verification/confirmation on file. (See DCW FORM-66 instructions for the Verification Statement.)

Section 1						
1. Pharmacy's Name, Ad EXPRESS DRUGS 10909 I 10 EAS				2. Date of Billing: 05/07/08		
HOUZTON, TX 7		Phone (713) Fax (713)	673-5646	3. Pharmacy's NCPD 4592968	P#: (NP)	•
4. Remit Payment To (if	different from above	1		5. Invoice #:		
THIRD PARTY SO P.O. BOX 5045	OLUTIONS, INC			25475613		
ST. LOUIS, MO	63150-4591			6. Payee's FEIN: 62-1770924		
7. Carrier's Name and A	Address:		8. E	mployer's Name, Addr	ess, and Phon	e #:
TEXAS MUTUN ZAXƏT PSDS1 XOB OQ BS XT RITZUA		INS FUND	4 H	ES ENVIRONMENT TO RIGGS PO TO XT TOOTZUO 713 L76-1460	_	
9 Injured Employee's Name Address, and Phone #: (b) (6) 15. Prescribing Doctor's Name, Address, and Phone #: KHAN RASHID MD CONCENTRA FACILITY LOTION TX 77029 (713) L8L-48L8						
10a. Injured Employee's ID # 10b. ID Jurisdiction 10c. XI SSN DL# 16. Prescribing Doctor's DEA#: (NPI #): Describing Doctor's DEA#: (NPI #): Passport Visa BK3744097				1#):		
` ` `	11. DOI: 12. DOB: 13. Claim # (if known): 14. Carrier's Claim # (if known): 14. Carrier's Claim # (if known):					
Section 2						
17. ☒ Generic Dispens ☐ Name Brand Dis		18. Generic Available?	□YES □NO	19. Dispensed as Dispensed per	r Injured Emplo	
20. Date filled:	21. Generic NDC:	22. Name Brand NDC:	23. Quantity:	24. Days Supply:		26. Paid by Employee:
80/124	P73740P300P		5.000	2	Remaining: 0	
27. Drug Name and Str	ength:		28. Rx #:			29. Amount Billed:
NEO/POLY/DEX	40 %I·O 2UZ		0032237 14.00			14.00
17. X Generic Dispens		18. Generic Available?	☐ YES	19. Dispensed as	Written	
☐ Name Brand Dis	pensed		□NO	☐ Dispensed per		oyee request
20. Date filled:	21. Generic NDC:	22. Name Brand NDC:	23. Quantity	: 24. Days Supply:	25. Refills	26. Paid by Employee:
04/24/08	00093101042		55.000	2	Remaining: 0	
27. Drug Name and Str	ength:		28. Rx#:			29. Amount Billed:
MUPIROCIN OIN 2%			0032238 57.44			57-44
17. ☐ Generic Dispens ☐ Name Brand Disp		18. Generic Available?	□YES □NO	19. Dispensed as Dispensed pe		oyee request
20. Date filled:	21. Generic NDC:	22. Name Brand NDC:	23. Quantity	24. Days Supply:	25. Refills Remaining:	26. Paid by Employee:
27. Drug Name and Str	ength:		28. Rx #:			29. Amount Billed:



1NVOICE # 25475613 TOTAL 71.44

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Memory 5-29-08

Fax

To: Michele Gatlin From: Prabhakar R. Thangudu

Mobile: (281) 433-9792

Fax: 512-224-3889 Pages:

Phone: Date: 5 - 29-cs

Michele:

RE: 99J000517921

Here is a bill for this claim. Please call me if you have any grestions.

EPAHO043000432

Employee - You are required to report your injury to your employer within 30 days if your employer has workers' compensation insurance. You have the right to free assistance from the Texas Department of Insurance, Division of Workers' Compensation and may be entitled to certain medical and insome benefits. For further information call your local Division field office or 1(800)-252-7031.



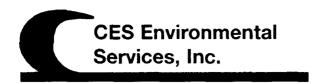
Empleado - Es necesano que reporte su lesión a su empleador dentro de 30 días a partir de la fecha en que se lesionó si es que su empleador cuenta con un seguro de compensación para trabajaciones. Usted tiene derectro a recibir asistencia gratuita por parte de 16 División de Compensación para Trabajaciones, y también puede tener derectro a certos beneficios médicos y monetarios. Para mayor información comuniquese con la oficina local de 18 División at teléfono 1-800-252-7031

	IEXAS W	KKERS COMPENSATION WORK ST	
4. 1. 4.7.1	AL INFORMATION	5. Doctor's Name and Dogree DAVID C. RANDALL MD	or transmission purposes only) MAR 3 1 2008
1. (b) (6)		5. Ciruc/Facility Name EAST HOUSTON ORTHOPEDICS	EMPS SMOUHENMERK
2 Cast of Injury	(b) (6)		Employer's Fex or Email Address (# known)
# Emoloyee's Description	of Insure/Accident	7-453-6909 / 7-453-7627	h Insurance Cerrier
Best t	prearmy	12930 EAST FREEWAY	2. Carrier's Fac & by Empil Address (if by com)
0,00		HOUSTON, TEXAS 77015	512 224-3889
13. The injured em [2] (a) will allow th (2)(b) will allow th through	ployee's medical conditions to return to the employee to return to return to the employee to return to retur	ION DULLY COMPLETE ONE INCLUDING ESTIMATED DATES on resulting from the workers' compensation injury: to work as of(date) without restrictions. I work as of(date) with the restrictions identified the employee from returning to work as of(date) describes how this injury prevents the employee from returning to work as of(date).	ified in PART III, which are expected to last telephone to continue through
PART III: ACTIV	TTY RESTRICTIONS	' (ONLY COMPLETE IF BOX 13(b) IS CHECKED)	
	TRICTIONS (if any):	17. MOTION RESTRICTIONS (If any):	19. MISC. RESTRICTIONS (If any):
Max Hours per day:	0 2 4 6 8 Other	Max Hours per day: 0 2 4 6 8 Other	Max hours per day of work:
Standing	00000	Walking DODO	Sit/Stretch breaks of per
Sitting		Climbing stairs/ladders D D D D	Must wear splint/cast at work
Kneeling/Squatting			☐ Must use crutches at all times
		Grasping/Squeezing	No driving/operating heavy equipment
Bending/Stooping	00000 +	Wrist flexion/extension	1
Pushing/Pulling		Reaching DDDDD	Can only drive automatic transmission
Twisting		Overhead Reaching	No work / Dhours/day work:
Other:	00000	Keyboarding	in extreme hot/cold environments
15. RESTRICTIONS	S SPECIFIC TO (If app		at heights or on scaffolding
L Hand/Wrist	R Hand/Wrist	18. LIFT/CARRY RESTRICTIONS (If any):	Must keep
2 LAm		leck May not lift/carry objects more than 10 lbs.	☐ Elevated ☐ Clean & Dry
☐ LLeg	☐ RLeg ☐		No skin contact with:
	D Weed D	nor more than nours per day	Dressing changes necessary at work
L Foot/Ankle	R Foot/Ankle	May not perform any lifting/carrying	1_ 1
Other:		Other:	No Running
16. OTHER RESTR	NCTIONS (If any):		20. MEDICATION RESTRICTIONS (if any):
			Must take prescription medication(s)
			Advised to take over-the-counter meds
* These restrictions a	re based on the doctor's	sest understanding of the employee's essential job functions. If a	-
particular restriction de	oes not apply, it should be	disregarded. If modified duty that meets these restrictions is no off work. Note - these restrictions should be followed outside of work	Safety/driving issues)
PART IV: TREAT	TMENT/FOLLOW-U	PAPPOINTMENT INFORMATION	
	agnosis Information:	· · · · · · · · · · · · · · · · · · ·	2000 7/10 1
		Evaluation by the treating doctor on	10008 (date) at 10 and pm
		Referral to/Consult with	on(date) at: am/pm
		Physical medicine X per week for weeks starting	
l .		Special studies (list):	on (date) at : am/pm
0.44	LEADY AVENUE OF THE	None. This is the last scheduled visit for this problem	
Date / Time al Attit	EMPLOYEE'S SIGNATU	RE DOCTOR'S SIGNATURE Visit Type Initia	Designated doctor All Referral doctor
Discharge Time	(b) (C)	12 sold	Consulting doctor
347pm	(D) (b)	Se can les	DWC-selected RME Other doctor
	•	<u> </u>	i n ine l

DWC FORM-73 (Rev. 19/05) Page I



DIVISION OF WORKERS' COMPENSATION



INCIDENT REPORT

Near Miss	Accident XXX	X
Date of Incident 1/24/20	008 Time ~11:30 <u>a. m.</u>	
Result of Incident: Lo	ost Time Accident	
· · · · · · · · · · · · · · · · · · ·	psion 3) Equipment Damage 4) Property Damage XX Production Loss 7) Employee Endangerment XXX	X
Person(s) Directly Involved	i	
Name: (b) (6)		
Exact Location Where Incid	dent Occurred: Tank Wash Bay One	
at ~ 11:30 am, I was cleanii was a polypropylene tank w	nt Occurred: Statement from (b) (6)	19375. The tan Services
personnel came to my aid.	p, my wrist and my hand. CES Environmental Service 911 were contacted and an ambulance was dispatche and questioned by the paramedics, I was loaded onto ted to the hospital.	ed to the work

What Unsafe Acts/Conditions Lead to Incident: The tank and ladder were not inspected prior to

being shipped to the CES Environmental Services, Inc. site for cleaning. No documented notification of any deficiencies were communicated prior to beginning of the tank cleaning.

Recommendations to Prevent Reoccurrence: <u>CES Environmental Services, Inc. will require the customer to perform inspections of ladders attached to its tanks prior to shipment to the CES site and indicate on the delivery ticket such inspections were completed and any findings.</u>

Damage estimates:

- Ambulance and medical costs for transport and treatment of (b) (6) are not known at this time.
- Cost to repair ladder by customer also not known at this time.

Total expenses	> – ψ		
Witnesses: Nam	ne:	Name	
Name		Name	
Attachments:	1.	Fank Wash Work Order # 19375 ank and work area	
Prepared by: Ka	arl A. Guidry	Title: CES Environmental EHS Mana	ger Initials
Approved by: M	1arlin Moser	Title: Vice President Operations	Initials MM

CES Environmental Services

Container / Tank Cleaning Division 4904 Griggs Rd. • Houston, TX 77021 Phone: (713) 676-1460 • Fax: (713) 676-1676

TANK WASH WORK ORDER

19375

PO# Cu	Customer:							Date:		
Rain for Rent						1-23.08				
Tractor Add	or Address:							Time:		
Trailer / Container Number Dropped By:							Need By:			
245011 Pat Mai 1110-2										
CONTAINER TYPE: TOT	☐ ISO CONTA	DRY BULK								
☐ TANK TRAILER ☐ ROLL TARP BOX ☐ VACUUM BOX					☐ FRAC TANK	RAC TANK DOLY TANK DVACUUM TRUCK				
Compartment # Last Contained				Heel - Hazardous	Heel - Non-Haz	Drum / Rolloff				
1 Less 3º/ netwolized										
2 Citric acid							1	·		
3										
4										
5										
CLEANING CODES WORK PERFORMED					TANK ENTRY PERMIT					
1 Air Dry				Oxygen (19.5% -23.5%	6) #1 <u> </u>	#3	#4	#5		
2 Quick Rinse		Japan Marie Japan			LEL (<10%)	#1#2	#3	#4	#5	
3 Cold Water Rinse					CO ² (<35 ppm)	#1 #2	#3	#4	#5	
4 Hot Water Rinse					Toxic Vapor		#3	#4	#5	
5 Steam Only (Per Hour)			Signature:			*.			****	
6 Steam & Dry				Stripper Usage:						
7 Rinse, Steam & Dry										
8 Detergent Wash, Rinse & Dry					Comments:					
9 Caustic Wash & Dry										
10 Caustic Wash, Rinse & Dry										
11 Waste Water Surcharge										
12 Solvent Wash (Diesel # Hours)										
13 Solvent Wash (Stripper)										
14 Exterior Tractor Wash										
15 Exterior Trailer Wash (w/o l										
16 Exterior Trailer Wash (with Internal)										
17 Exterior Acid Brite Wash				Authorized Additi						
18 Hand Labor (# Men / # Hou	urs)								· · · · · · · · · · · · · · · · · · ·	
19 Hydroblaster (# Hours)										
20 Solvent Wash (Green Stripper)				:						
21 Passivation										
Hose Cleaning					0505					
Pump Cleaning				thoroughness of the tank	ces, Inc., Cleaning Division, washing procedure or the to be equipment remains the r	otal eliminatio	on of interior re	esidues and/or		
Cleaned By:		Date/_/////		moisture. Final inspection of the equipment remains the responsibility of the customer, and they hereby release CES Environmental Services, Inc., Cleaning Division, from any responsibility for claims arising from any allegations that the equipment was improperly cleaned, resulting in damage or loss. CES Environmental Services, Inc., Cleaning Division, is in no manner responsible for any damages or losses of equipment and/or materials left in their yard.						
Inspected By:		Date		Print Name: Par	Marine	. Z C	Date_/_	23-08		
					Print Name: <u>Par)</u>	+ 11/10	Te.			























CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 (713) 676-1676

Fax

member 1204,08

To: Brenda From:

Prabhakar R. Thangudu

Mobile: (281) 433-9792

Fax:

512-224-2997

Pages:

Phone:

Date:

1-29-08

Brienda:

Thanks for the information.

(b) (6)

Injured waker:

Last name

Ss # Date of injury

-

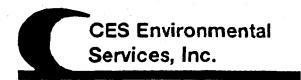
1-24-08

Please Catt me @ 281-433-9792 Thanks Pablan

Occupational Medicine Services

Address: 6411 Fannin, Suit	te H 1.21, Houston, Texas 77030-1501
Phone: Facilitator (24)	hours) 713-704-3100, Manager (Bill Boras) 713-704-58
Fax: 713-704-4445	5
٠,	www.memorialhermann.org
Name: HSE MO	Faxed / Mailed To:
Organization: CES	Environmental Services
Address: 4904 G	rigor to HSt. TX 7704
Phone : 778 832 287	0862 Fax: 713. 676.1676
• Urgent	Date sent: 1-2808
• For Review	Time sent: 1000
• Please Comment	Number of pages including cover page:
 Please Reply 	

12400



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Fax

nemby fot 204,08

To: Brenda From:

Prabhakar R. Thangudu

Mobile: (281) 433-9792

Fax:

512-224-2997

Pages:

Phone:

Date:

1-29-08

Brienda:

Thanks for the infomation.

Injured waker:

Last name

Date of injury

1-24-08

Please Cott me C 281-433-9792 Thanks Publian

Send the specified copies to your

Workers' Compensation Insurance Carrier
and the injured employee.

*Employers - Do not send this form to the

Texas Workers' Compensation Commission,
unless the Commission specifically requests
a direct filing.

TWCC CLAIM #				
<u> </u>			 	_
CARRIER'S CLAIM #	· · · · · · · · · · · · · · · · · · ·			

•		EMPLO	YER'S FIRST RE	PORT	OF INJURY O	RILLNE	ss		
1. Name (Last, First, M.I.)		2. Sex		7	15. Date of Ir	njury	16. Time of Injury	17. Date Lost	Time
(b) (6)			☐ F ☐ M		1-24-1	28	~ (1:30 ☐ am ☐ pm	1-25-0	8
J. Jouan Jecumy No.	. Home Phone	J. Date	of Birth	7	18. Nature of		19. Part of Body In		
(b) (6)		•			FRACTU	us	WRIST		
<u>C</u>		0 1		4	WRIST				
6. Does the Employee Speak		, Specity	Language		20. How and	Why Injury	//Illness Occurred*	respective of a second	eres estas reces variores en el mar
V Yes	No No]			· Employee		9 FEET
7. Race 8	. Ethnicity					-	ry or Exposure Occ		
Hispanic							incident occurred of AL 4904 G		
9 Mailing Address Street of (b) (6)	PO Roy] .	City Hous	,		Zip 770	
City , S	tate	Zip	County	1			tool, machine, etc.		
Houston	1 X	7703			1- 11		agranda a salah kacamatan da salah sal		and the second
10. Marital Status: Marenis]	LAL				
11. Number of Dependent Chi		12. Spo	use's Name]	25. List Witne	sses: 1	ONE		
2]		N	OME		
13. Doctor's Name: MEMOR			Hospital	1	26. Return to			,	28. Date
14. Doctor's Mailing Address (6411 FANAIN, Suit	Street or P.O.Bo	x)			Date/or e	xpected	die?	visor's name	Reported
6411 PANNIN, SUCT	C 14 1. J-1							MARLIN	
City Si Houston	ate X	Zip フラ	030-1501				NO	MOSER	
				loo ii				6	
30. Date of Hire 31	. Was employee	nirea or Ve			gth of Service		33. Length of Sen		
05-30-2002	Texas?	⊠ re	S 1NO		rent Position		(mm/yy) 54R	CTMA	
34. Employee Payroll Classific	ation Code				upation of Inju		3 7 K	> ////	3
	7. Full Work Wee	ek is:	38. Last Paycheck				ner, Partner, or Cor	porate Officer	?
Hourly Weekly	Hours	Days	Hours	Days	,				
	40						☐ Yes		
40. Name and Title of Person C	1 - HSE	MAN	IAGER.	41. Nan	ne of Business	ŒS	ENVIRONMEN	utal Se	evices, In
42. Business Mailing Address a	idd Telephone N	lumber	713-676-1460	43. Bus	iness Location	(If differe	nt from mailing add	ress)	
4904 Griggs TRD	ata	Tel No:	113-6/6 1460	C	N	/		7in	
city Houston sta	<u> </u>		7021	City				Zip	
44 Federal Tax Identification N (b) (6)	lumber		ary Standard Indus Code* (4 digit) 5	122	19	(4 digit)	fic SIC Code* 563219	paver No.	omptroller Tax
48. Workers' Compensation Ins	urance Compan	у	· · · · · · · · · · · · · · · · · · ·	49. Poli	cy Number	<u>د د م</u>	0/ -	. 1. 8.1	
TEXAS MUTUAL				<u></u>	<u></u> <u>J</u>	370	0010860	<u> </u>	
50. Did you request accident pr	evention service								
	بنجيد اجتلام محيراكا		ma')						
Yes No	f yes, did you re			No	RE SIGNING)				
		ON INS		BEFOR	RE SIGNING)	Date	1-29-08	}	

Continued on next page

23 and 559,004 of the Texas Government Code.

You may be entitled to know what information UT Arlington (UTA) collects concerning you. You may review and have UTA correct this information according to procedures set forth in UT System BPM #32. The law is found in sections 552.021, 552.-

FORENSIC DRUGTESTING CUSTODY AND CONTROL FORM

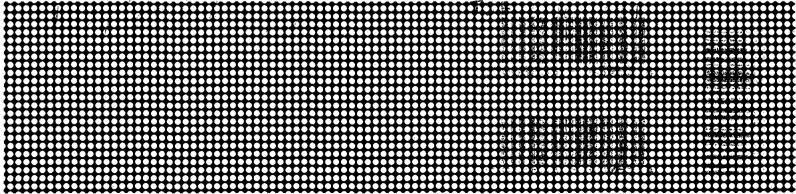


	800-877-74
A MARIE TO A RECEIVED A RECEIVED IN THE SECOND IN THE SE	
STEP 1: COMPLETED BY COLLECTOR OR EMPLOYER REPRESENTATIVE	LAB ACCESSION NO.
A. Employer Name, Address, I.D. No. **THESTAL **ERLEAD** OIL** O 9	, Address, Phone and Fax No. FBRS 18. SAPH500628
FINE FOREST CONTRACTORS SILL BORNS & CONTRACTORS STATEMENT STATEMENT CS FORESTELL PARSONS CS SUBJECT SUBJ	
ATTA FOREIN ST	
713-704-310 EAX 728-704-4445	FaV.
(b) (6)	FAX:
C. Donor SSN or Employee I.D. No. MRY	
D. Donor Name: Last:	
E. Donor ID Verified: Photo ID Pemp. Rep. PRABHHKAIC	THANGUOU
F. Reason for Test: Pre-employment (1) Random (3) Reasonable Suspic Return to Duty (6) Follow-up (23) Other (specified)	fy) (99)
G. Drug Tests to be Performed: () 35190N SGP 10-S0/2000 U/NI) () 64488 ALCONOL, ETHYL () () 5840N ACCOMOL, ETHYL (0)	8) () 35105N SAP 5-50 U/NIT
H. Collection Site Name:	31
Address: 0411 famili 35	Collector Phone No.: 7137043100
City, State and Zip: Houston 13, 77830	Collector Fax No.: 2137044445
Read specimen temperature within 4 minutes. Is temperature Specimen Collection.	
between 90° and 100° F? Yes No, Enter Remark Split Single	None Provided (Enter Remark)
REMARKS	
TEP 3: Collector affixes bottle seal(s) to bottle(s). Collector dates seal(s). Donor initials se	
I certify that the specimen given to me by the donor identified in the certification section on Copy 2 of this form was collected, labeled, sealed, and release	
	ÉN BOTTLE(S) RELEASED TO:
Signature of Collection Oussign Signature of Collection Oussign Signature of Collection Outsign	Diagnostics Courier ☐ FedEx irborne ☐ Other
	ame of Delivery Service Transferring Specimen to Lab
ATIAN V	Specimen SPECIMEN BOTTLE(S) RELEASED TO:
Signature of Accessioner / / / Yes	
(First, Accessioner's Name (First, Mr., Last)	Remark Below
TEP 5: COMPLETED BY DONOR I certify that I provided my urine specimen to the collector; that I have not adulterated it in any manner; each specimen bottle used	d was sealed with a tamper-evident seal in my presence; and that the information and
numbers provided on this form and on the label offixed to each ensigned battle in correct.	
X	1/94/08
(b) (6)	Date (Mo./Day/Yr.)
Daytime Phone No.	Date of Birth 7/6 V5
TEP 6: COMPLETED BY MEDICAL REVIEW OFFICER - PRIMARY SPECIMEN	Mo. Day Yr.
In accordance with applicable requirements, my determination/verification is:	
□ NEGATIVE □ POSITIVE □ TEST CANCELLED □ REFUSALTOTEST BECAUSE	: :
☐ DILUTE ☐ ADULTERATED	SUBSTITUTED
REMARKS	
X	, ,
Signature of Medical Review Officer (PRINT) Medical Review Officer	's Name (First, MI, Last) Date (Mo./Day/Yr.)
TEP 7: COMPLETED BY MEDICAL REVIEW OFFICER - SECONDARY SPECIMEN	
In accordance with applicable requirements, my determination/verification for the split specimen (if tested) is:	
☐ RECONFIRMED ☐ FAILED TO RECONFIRM - REASON	
x	/ / /

A CONTROL OF THE CONT



A. Employer Name, Address, I.D. No.	B. MRO Name, Address, Phone and Fax No. FORE 18. 10905 9492
	$\sim \sqrt{M_{\odot}}$. The second contribution is the second contribution of M_{\odot} . The second contribution is M_{\odot}
ျေးရှုများကို မြော်သည်။	
CONTRACTOR SANCTON TO SERVICE	★ 1. (1) (2) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
(b) (6)	. 47
C. Donor SSN or Employee I.D. No.	
(b) (6)	
D. Donor Name: Last: A	
E. Donor ID Verified: 👚 🔲 Photo ID 🔲 Emp. Rep	p. Proposition
	dom (3) Reasonable Suspicion/Cause (5) Post-Accident (2) Promotion (22) Follow-up (23) Other (specify) (99)
G. Drug Tests to be Performed:	
	TO COME OF THE SECOND OF
· 人名英格兰 医红色的 ,这一只有个大小	
H. Collection Site Name: ### ################################	Collection Site Code:
Address:	Collector Phone No.: 213784 9189
	The state of the s
City, State and Zip:	Collector Fax No.: 2437944445
TEP 2: COMPLETED BY COLLECTOR	Collector Fax 140
City, State and Zip: TEP 2: COMPLETED BY COLLECTOR ead specimen temperature within 4 minutes. Is temperature tween 90° and 100° F? Yes No, Enter Remark	ure Specimen Collection.
FEP 2: COMPLETED BY COLLECTOR ead specimen temperature within 4 minutes. Is temperature	Collector Fax No
FEP 2: COMPLETED BY COLLECTOR ead specimen temperature within 4 minutes. Is temperature within 4 minutes. It is the first within 4 minute	ure Specimen Collection.
ead specimen temperature within 4 minutes. Is temperature etween 90° and 100° F? Yes No, Enter Remark EMARKS TEP 3: Collector affixes bottle seal(s) to bottle(s). Collector TEP 4: CHAIN OF CUSTODY - INITIATED BY COLLEC	ure Specimen Collection. Split Single None Provided (Enter Remark) Observed (Enter Remark) or dates seal(s). Donor initials seal(s). Donor completes STEP 5.
ead specimen temperature within 4 minutes. Is temperature etween 90° and 100° F? Yes No, Enter Remark EMARKS TEP 3: Collector affixes bottle seal(s) to bottle(s). Collector TEP 4: CHAIN OF CUSTODY - INITIATED BY COLLEC- Certify that the specimen given to me by the donor identified in the certification section on Copy 2 of	ure Specimen Collection Split Single None Provided (Enter Remark) Observed (Enter Remark) Office of the Collected (Enter Remark) Observed (Enter Remark) Obser
ead specimen temperature within 4 minutes. Is temperature etween 90° and 100° F? Yes No, Enter Remark EMARKS TEP 3: Collector affixes bottle seal(s) to bottle(s). Collector TEP 4: CHAIN OF CUSTODY - INITIATED BY COLLECT Certify that the specimen given to me by the donor identified in the certification section on Copy 2 of	Specimen Collection Split Single None Provided (Enter Remark) Observed (Enter Remark) or dates seal(s). Donor initials seal(s). Donor completes STEP 5. STOR AND COMPLETED BY LABORATORY of this form was collected, labeled, sealed, and released to the Delivery Service noted in accordance with applicable requirements. SPECIMEN BOTTLE(S) RELEASED TO:
ead specimen temperature within 4 minutes. Is temperature etween 90° and 100° F? Yes No, Enter Remark EMARKS TEP 3: Collector affixes bottle seal(s) to bottle(s). Collector TEP 4: CHAIN OF CUSTODY - INITIATED BY COLLECT Certify that the specimen given to me by the donor identified in the certification section on Copy 2 of X Signature of Collector	wre Specimen Collection. Split Single None Provided (Enter Remark) Observed (Enter Remark) or dates seal(s). Donor initials seal(s). Donor completes STEP 5. STOR AND COMPLETED BY LABORATORY of this form was collected, labeled, sealed, and released to the Delivery Service nated in accordance with applicable requirements. SPECIMEN BOTTLE(S) RELEASED TO: Guest Diagnostics Courier FedEx
ead specimen temperature within 4 minutes. Is temperature etween 90° and 100° F? Yes No, Enter Remark EMARKS TEP 3: Collector affixes bottle seal(s) to bottle(s). Collector TEP 4: CHAIN OF CUSTODY - INITIATED BY COLLECT Certify that the specimen given to me by the donor identified in the certification section on Copy 2 of Collector X Signature of Collector	wre Specimen Collection. Split Single None Provided (Enter Remark) Observed (Enter Remark) or dates seal(s). Donor initials seal(s). Donor completes STEP 5. STOR AND COMPLETED BY LABORATORY of this form was collected, labeled, sealed, and released to the Delivery Service noted in accordance with applicable requirements. SPECIMEN BOTTLE(S) RELEASED TO:
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ead specimen temperature within 4 minutes. Is temperature etween 90° and 100° F? Yes No, Enter Remark EMARKS TEP 3: Collector affixes bottle seal(s) to bottle(s). Collector TEP 4: CHAIN OF CUSTODY - INITIATED BY COLLECT Certify that the specimen given to me by the donor identified in the certification section on Copy 2 of X Signature of Collector Time (Print) Collector's Name (First, MI, Last) Date (Specimen Collection: Split Single None Provided (Enter Remark) Observed (Enter Remark) Of the collection Observed (Enter Remark) Obs
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Occupational Medicine Services

ALL DRUG SCREEN RESULTS WILL BE CALLED TO THE DESIGNATED EMPLOYER REPRESENTATIVE

	EMPLOYER REPRESENTATIVE THEN THE RESULTS WILL BE FAXED OR MAILED
Address: 6	411 Fannin, Suite H 1.21, Houston, Texas 77030-1501
Phone:	Facilitator (24 hours) 713-704-3100, Manager (Bill Boras) 713-704-5840
Fax:	713-704-4445
,	www.memorialhermann.org
 Urgent For Revie Please Co Please Re	904 Grigop fol H5t, N 7704 8832: 287:0862 Fax: 713: 676:1676 Date sent: 1-2808 Time sent: 1000 Number of pages including cover page: 2 ply
Date of Reporter Confidentiality Not WARNING: Unsufficied and state law information that is let you are hereby notifications of this faxed	Medicine Staff mailing results: GER PATSONS (b) (6) Name: Creen: 12408 SS#: OR Date of Birth: 96.75 ed: 1-2808

MASS:11:820M

Send the specified copies to your Workers' Compensation Insurance Carrier and the injured employee. *Employers - Do not send this form to the Texas Workers' Compensation Commission, unless the Commission specifically requests a direct filing.

TWCC CLAIM#						
CARRIER'S CLAIM	. 99°	Tan	2051	792	1	

and the second s		EMPLOYER'S FIRST R	EPORT (OF INJURY OR	HINE	SS		
1. Name (Last, First, M.I.)		2. Sex		15. Date of Inju		16. Time of Injury	17. Date Lost	Time
(b) (6)		☐ F ☑ M		1-24-0	<i>'</i>	~ [[:30] □ am □ pm		1
3. Social Security No.	4. Home Phone	5. Date of Birth	-	18. Nature of In	niury*	19. Part of Body In	iured or Expos	ed*
(b) (6)	11.1101110	0.0000		FRACTURE	2		,	
(3) (3)				WRIST	_	WRIST		
6. Does the Employee Spe	ak English? If No	o, Specify Language			/hy Injury	//Illness Occurred*		
✓Ye	s 🗆 No			l		r 'i	c 11	_
	<u> </u>					- Employee		9 FEET
7. Race	8. Ethnicity					ry or Exposure Occ		
115	*		İ			incident occurred		
HISPANIC	<u> </u>		_		ment	al 4904 G		<u> </u>
9. Mailing Address Stree (b) (6)	et or P.O. Box			City Hous-	ohl	State TX	Zip 770	21
City	State	Zip County		24. Cause of In	jury(fall,	tool, machine, etc.)	*	
Houston	1 /	77028 HATTIS	<u>s</u>	1, ,,				· ·
10. Marital Status: Maren				HALL				
11. Number of Dependent	Children	12. Spouse's Name		25. List Witness	ses: N	ONE		
13. Doctor's Name: MEM	orial Herm	ann Hospital	7	26. Return to w	ork (27. Did employee	28. Super-	28. Date
14. Doctor's Mailing Addres			7	Date/or exp		die?	visor's name	Reported
6411 FANNIN, SU	ite H 1.21		1				MARLIN	•
			_i			, ,	MOSER	
City	State	Zip				NO	MOXIN	
Houston	TX	77030-1501						
Ino Detection	To 4 10/2	tata di ancienti di di ta	100 1			00	des la Ossina	4:
30. Date of Hire	I	hired or recruited in No		igth of Service in		33. Length of Sen	vice in Occupa	uon
05-30-2002	Texas?	Yes No		rrent Position (r	mm/yy)	(mm/yy)	~ ¬ ~ ~	c
	is action Code			es 7mos	-1 10/1		S 7mo	>
34. Employee Payroll Class 36. Rate of Pay at this job	37. Full Work Wee	ek is: 38. Last Payche		cupation of Injure		ner, Partner, or Cor	norate Officer	2
(b) (6)	Hours	Days Hours	Days	Jos. is cripioyed	c all Owl	_		•
	40	141.54	-	<u> </u>		☐ Yes 🗷	No .	
40 Name and Title of Person		MANAGER.	41. Nar	me of Business	JES	ENVIRONMEN	HAL SEA	zy/ces. In
42. Business Mailing Addres	ss and Telephone N	Jumber	43. Bus	siness Location (I	lf differer	nt from mailing add	ress)	
4904 Griggs RD	1	Tel No: 713 -676 - 1460		N/	4 ~			
City Houston	State	77021	City	S	State		Zip	
44 Federal Tax Identificatio	n Number	45. Primary Standard Ind (SIC) Code* (4 digit)				fic SIC Code* 562219	47. Texas Co payer No.	mptroller Tax
48. Workers' Compensation	Insurance Compan			icy Number				
TEXAS MUTUR		•9	10.10.	TS	FO	0010860	44	
50. Did you request acciden	t prevention service						,	
Yes No	If yes, did you re		No	== 0.0				
51. Signature and Title (RE)	AD INSTRUCTIONS	s on instruction she 1 Itse Manag	ET BEFOI	RE SIGNING)	Date	1-29-08) 	
,								

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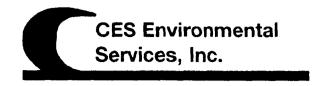
23 and 559.004 of the Texas Government Code.

You may be entitled to know what information UT Arlington (UTA) collects concerning you. You may review and have UTA correct this information according to procedures set forth in UT System BPM #32. The law is found in sections 552.021, 552.-

Continued on next page

Marlin has original.

COPY 1-30-88



stretcher and was transported to the hospital.

INCIDENT REPORT

Near Miss	Accident XXX
Date of Incident <u>1/24/2008</u> Time ~11:30 <u>a. m.</u>	
Result of Incident: Lost Time Accident	
1) □Fire 2) □ Explosion 3) Equipment Damage 4) Pro 5) □ Product Loss 6) Production Loss 7) Employee Enda 8) □ Other	
Person(s) Directly Involved	
Name: (b) (6)	
Exact Location Where Incident Occurred: Tank Wash Bay On	<u>e</u>
Describe Fully How Incident Occurred: Statement from (b) (6 at ~ 11:30 am, I was cleaning a customer tank related to CES was a polypropylene tank which belongs to Rain for Rent, a Cl customer. As I was cleaning the tank, the ladder which was at caused me to fall 9 or 10 feet to the pavement.	Tank Wash Order 19375. The tank ES Environmental Services
I experienced pain in my hip, my wrist and my hand. CES Env personnel came to my aid. 911 were contacted and an ambula	

What Unsafe Acts/Conditions Lead to Incident: The tank and ladder were not inspected prior to being shipped to the CES Environmental Services, Inc. site for cleaning. No documented notification of any deficiencies were communicated prior to beginning of the tank cleaning.

site. After being examined and questioned by the paramedics, I was loaded onto a board, then a

Recommendations to Prevent Reoccurrence: <u>CES Environmental Services, Inc. will require the customer to perform inspections of ladders attached to its tanks prior to shipment to the CES site and indicate on the delivery ticket such inspections were completed and any findings.</u>

T		. •	
1 10	~~~	estin	10t001
1 1211	HAVE	esim	IAIES
		COLLIA	ILLUD.

- Ambulance and medical costs for transport and treatment of (b) (6)
 are not known at this time.
- Cost to repair ladder by customer also not known at this time.

Total	expenses	= \$

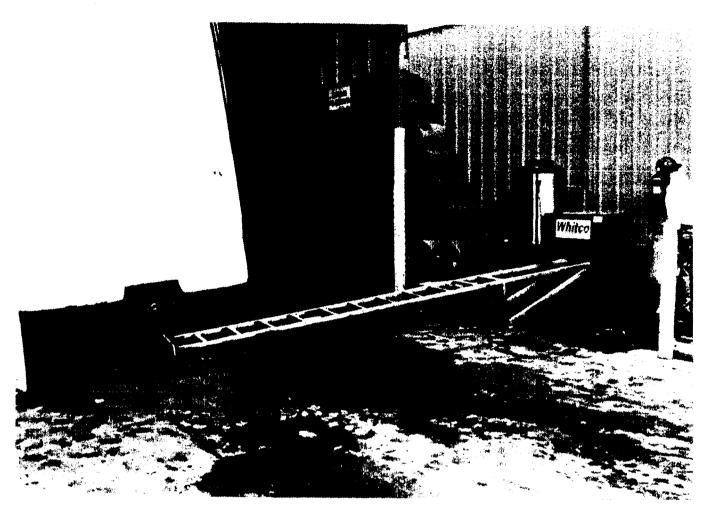
Witnesses: Name:	Name	
Name	Name	
. •	ank Wash Work Order # 19375 ik and work area	
Prepared by: Karl A. Guidry	Title: CES Environmental EHS Manager	Initials (Ala
Approved by: Marlin Moser	Title: Vice President Operations Initia	ls

CES Environmental Services

Container / Tank Cleaning Division 4904 Griggs Rd. • Houston, TX 77021 Phone: (713) 676-1460 • Fax: (713) 676-1676

TANK WASH WORK ORDER 19375

PO #	Customer:	cin for Ren	and the state of t		Date: /-23	-03				
Tractor A	ddress:	The second of th	Time:							
	ropped By:				Need By:					
245011	Pat	Martine	P							
CONTAINER TYPE: TO	TE BIN	ROLL DOOR BOX	☐ ISO CONT	AINER /	DRY BULK	-				
TANK TRAILER TANK TRAILER	ROLL TARP I	BOX	☐ FRAC TANK	POLY TAN	K 🔲 VACI	JUM TRUCK				
Compartment #	La	st Contained	Heel - Hazardous	Heel - Non-Haz	Drum /	Rolloff				
1	Leas 3	300 Nathanline a								
2		cacid								
3										
4										
5										
CLEANING CODES		WORK PERFORMED		TANK ENTRY	PERMIT					
1 Air Dry			Oxygen (19.5% -23.5%	%) #1 #2	#3#4_	#5				
2 Quick Rinse			LEL (<10%)	#1#2		#5				
3 Cold Water Rinse			CO ² (<35 ppm)	#1 #2	#3#4	#5				
4 Hot Water Rinse			Toxic Vapor	#1#2	#3 #4	<u>#5</u>				
5 Steam Only (Per Hour)			Signature:							
6 Steam & Dry			Stripper Usage:							
7 Rinse, Steam & Dry										
8 Detergent Wash, Rinse & D	ry		Comments:							
9 Caustic Wash & Dry										
10 Caustic Wash, Rinse & Dr	y		_							
11 Waste Water Surcharge			_]							
12 Solvent Wash (Diesel # Ho	ours)									
13 Solvent Wash (Stripper)										
14 Exterior Tractor Wash										
15 Exterior Trailer Wash (w/o	Internal)		_							
16 Exterior Trailer Wash (with	Internal)									
17 Exterior Acid Brite Wash			Authorized Additi	onal Services:	· · · · · · · · · · · · · · · · · · ·					
18 Hand Labor (# Men / # Ho	urs)									
19 Hydroblaster (# Hours)		· · · · · · · · · · · · · · · · · · ·								
20 Solvent Wash (Green Strip	per)			,						
21 Passivation										
Hose Cleaning										
Pump Cleaning			thoroughness of the tank	ces, Inc., Cleaning Division washing procedure or the t	otal elimination of interior	or residues and/or				
		1. 1.	moisture. Final inspection of the release CES Environmental Strom any allegations that	Services, Inc., Cleaning Divi	ision, from any responsit	pility for claims arising				
Cleaned By:		Date // //	CES Environmental Se	the equipment was improper ervices, Inc., Cleaning Divis	ion, is in no manner resp	consible for any				
			damages o	r losses of equipment and/o	or materials left in their y	ard.				
Inspected By:	·	Date	Print Name: <u>Far</u>	Morine	Date	<u>'~23~6</u> 9				

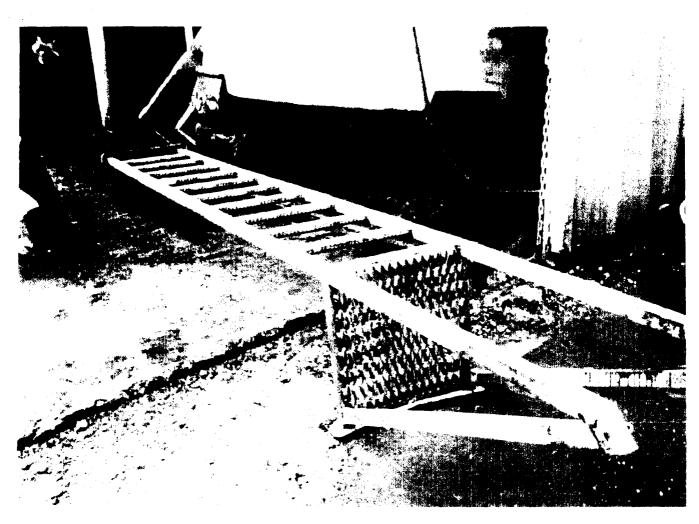


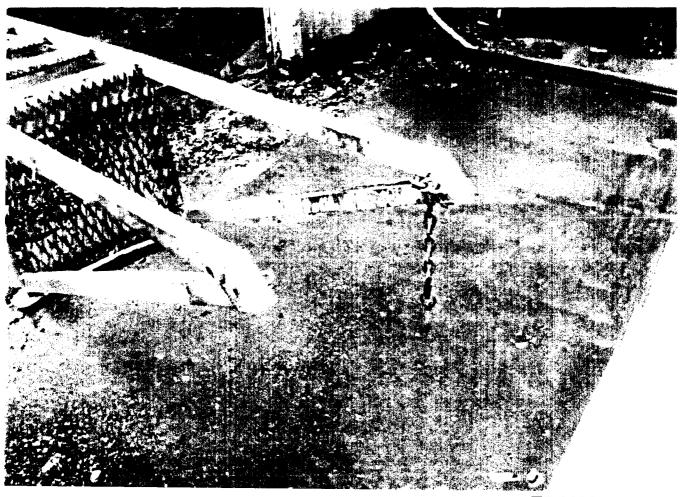


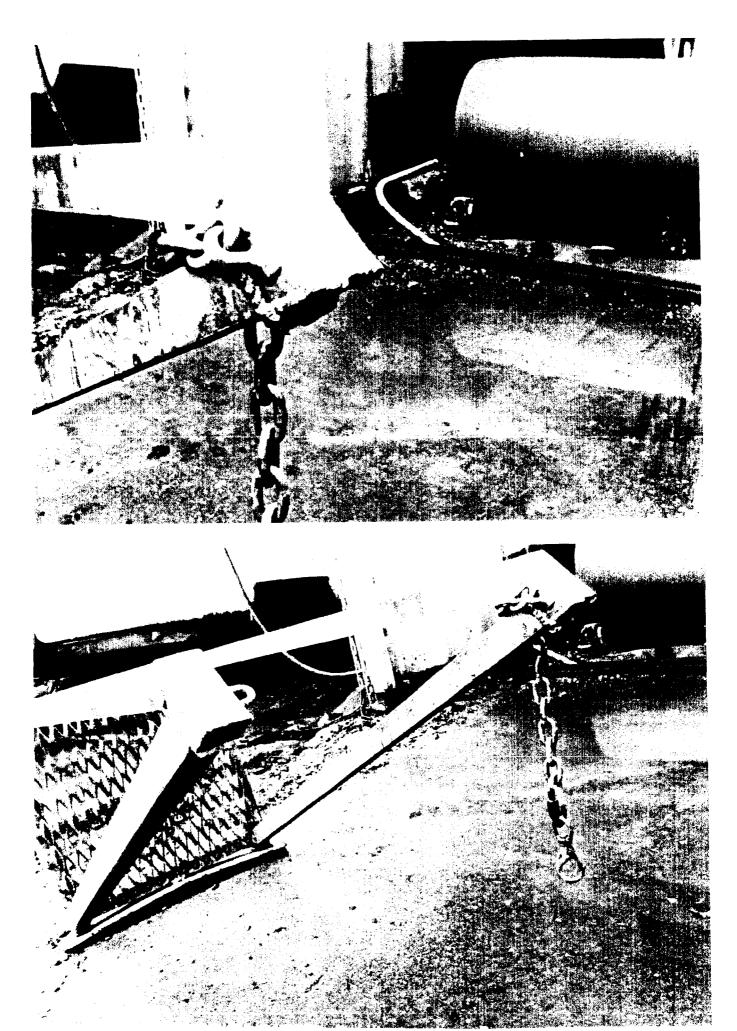




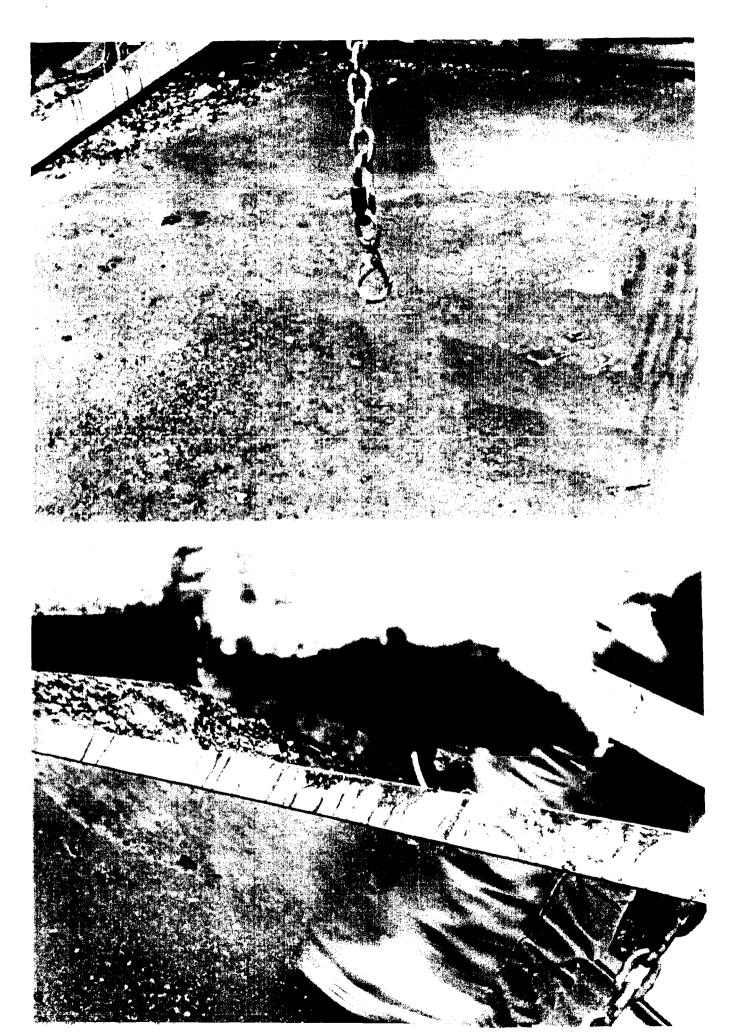
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EPAHO043000457



EPAHO043000458



CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

(713) 676-1676

menty for 2011

To: Brenda From:

Prabhakar R. Thangudu

Mobile: (281) 433-9792

Fax:

512-224-2997

Pages:

Phone:

Date:

1-29-08

Brienda:

Thanks for the information.

Injured wither:

Last name

Ss # Date of injury

1-24-08

Please Call me @ 281-433-9792 Thanks Publian

Occupational Medicine Services
ALL DRUG SCREEN RESULTS WILL BE CALLED TO THE DES

ALL DRUG SCREEN RESULTS WILL BE CALLED TO THE DESIGNATED EMPLOYER REPRESENTATIVE

THEN THE RESULTS WILL BE FAXED OR MAILED

Address: 6411 Fannin, Suite H 1.21, Houston, Texas 77030-1501

Phone: Facilitator (24 hours) 713-704-3100, Manager (Bill Boras) 713-704-5840

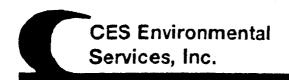
Fax: 713-704-4445

www.memorialhermann.org									
Name: HSE Manager									
	iger								
Organization: CES EC	Wironmental Services								
Address: 4904 Gina	gop tol HSE, 7X 7704								
Phone: 778832 287086	1 Fax: 713.676.1676								
• Urgent	Date sent: 1-2808								
 For Review 	Time sent: 1000								
Please Comment Places Reply	Number of pages including cover page:								

Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information.

Occupational Medicine Staff mailing results: GERI PATSONS

PATIENT: Name:



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

memby 16+

Brenda

Prabhakar R. Thangudu From:

Mobile: (281) 433-9792

Fax:

512-224-2997

Pages:

Phone:

Date:

1-29-08

Brienda:

Thanks for the information.

(b) (6)

Tryword worker:

Last name

Date of injury

1-24-08

Please Call me @ 281-433-9792 Thanks Rabban

EPAHO043000462

CONTROL FORM





50068633

439651

SPECIMEN ID NO.

STEP 1: COMPLETED BY COLLECTOR		LAB ACCESSION NO.
A. Employer Name, Address, I.D. No. Fillian Call. Balkanan and Fillian Call. Balkanan and Fillian Call. Balkanan and Fillian Call. Balkanan Call. Balkan Call. Balkanan Call. Balkanan Call. Balkanan Call. Balkanan Cal	CES WINGS	ress, Phone and Fax No. ^{FORB} বিশ্ব চাইটেটটেইট
C. Donor SSN or Employee I.D. No.	(0)	
D. Donor Name: Last:		
E. Donor ID Verified:	V	
Return	yment (1) Random (3) Reasonable Suspicion/C to Duty (6) Follow-up (23) Other (specify) (9	
G. Drug Tests to be Performed: 1 28 1946 Sept. 13 - Sept. 2000 1000 C 3 198 408 APRENCE 07870 743	In the second of	ୁମ ଓ ଅଞ୍ଚଳକ୍ଷ ଅନୁକାଷ ଅନ୍ୟର ଉତ୍କର୍ଷ
H. Collection Site Name: শুনের বিশ্ব বিশ্	Collection Site Code:	Collector Phone No.: 213794 1186
City, State and Zip:	- A A A A A	Collector Fax No.: 23.37344413
STEP 2: COMPLETED BY COLLECTOR		
Read specimen temperature within 4 mir between 90° and 100° F? Yes NREMARKS		ne Provided (Enter Remark) Dbserved (Enter Remark)
STEP 3: Collector affixes bottle seal(s) to	pottle(s). Collector dates seal(s). Donor initials seal(s).	
	ED BY COLLECTOR AND COMPLETED BY LABO prification section on Copy 2 of this form was collected, labeled, sealed, and released to the	
Signature of Collector (Print) Collector's Name (First, MI, Last)	Time of Collection Time of Hollection DHL / Airbor	BOTTLE(S) RELEASED TO: ostics Courier
RECEIVED X Signature of	Primary Spec Bottle Seal II	smen SPECIMEN BOTTLE(S) RELEASED TO:
(Print) Accessioner's Name (First, MI, Last)	Date (Mo./Day/Yr.) No, Enter Rema	rk Below
STEP 5: COMPLETED BY DONOR		
x Signature of Donor	that I have not adulterated it in any manner; each specimen bottle used was s anch specimen bottle is correct	pealed with a tamper-evident seal in my presence; and that the information and 1 3 3
Daytime Phone No. 1	Evening Phone No.	Date of Birth Mo. Day Yr.
STEP 6: COMPLETED BY MEDICAL RE	VIEW OFFICER - PRIMARY SPECIMEN	
In accordance with applicable requirements, my deter		
☐ NEGATIVE ☐ POSITIVE ☐ ☐ DILUTE	'EST CANCELLED ☐ REFUSALTOTEST BECAUSE: ☐ ADULTERATED ☐	SUBSTITUTED
REMARKS		
X		
Signature of Medical Review Officer STEP 7: COMPLETED BY MEDICAL RE	(PRINT) Medical Review Officer's Nam	ne (First, MI, Last) Date (Mo./Day/Yr.)
TILI T. CUMITLETED DI MEDICAL RE		
In accordance with applicable requirements, my deter		
In accordance with applicable requirements, my determined Techniques Techniques	nination/verification for the split specimen (if tested) is:	



TEP 1: COMPLETED BY COLLECTOR	PECIMEN ID NO. OR EMPLOYER REPRESENTATI	VE	LAB ACCESSION N	0.
A. Employer Name, Address, I.D. No.	E	B. MRO Name, Address, Pl	none and Fax No.	S. D. SERVE
9 44 9 4 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1				
And the state of t				
in i Britania de la Santa de br>La composição de la composição de Santa				
	• 9	,		
D. Donor SSN or Employee I. <u>D. No.</u>	(6)		ı.	1 1
D. Donor Name: Last:				
	n Пе п	I II St.	· · ·	
F. Reason for Test: Pre-employ	yment (1) Random (3) Reaso to Duty (6) Follow-up (23)	onable Suspicion/Cause (5	Post-Accident (2)	☐ Promotion (22)
G. Drug Tests to be Performed:	10 Daily (0)1 0110W-ap (23)			
				The state of the s
I. Collection Site Name:	Collon	etion Site Code:		
Address:	Conlect		ector Phone No.:	11 1 N
City, State and Zip:		i	ector Fax No.:	1.43
EP 2: COMPLETED BY COLLECTOR				
ead specimen temperature within 4 mini	ites, Is temperature Specimen Col			
	E D		d = 4 (5 = 4 = 5 = = 4 \	7. Ohaanii 4. (5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
	, Enter Remark Split	Single None Provi	ded (Enter Remark)	Observed (Enter Rema
EMARKS	, Enter Remark Split	Single 🗌 None Provi		Observed (Enter Rema
EMARKS EP 3: Collector affixes bottle seal(s) to be EP 4: CHAIN OF CUSTODY - INITIAT	pottle(s). Collector dates seal(s). Do	Single None Provi	completes STEP 5.	
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Occupational Medicine Services all drug screen results will be called to the designated

EMPLOYER REPRESENTATIVE

THEN THE RESULTS WILL BE FAXED OR MAILED

6411 Fannin, Suite H 1.21, Houston, Texas 77030-1501

www.memorialhermann.org Faxed / Mailed To: Name: HSE Manage Organization: CES Environmental Services Address: 4904 Grigop tol. HSt. N. 77021 Phone: WB 632: 287.0 862: Fax: 713: 676: 1676 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER: PASSIS Date of Drug Screen: 12408 SS#: OR Pate of Birth: 96.75 Date of Reported: 12808 Canadaentality Notice WARNING: Unseuthorized interception of this fax communication could be a violation of following and state law. The doctuments accompanying this fax transmission may contain information that is legally privileged. The information is in the globy for the legal of the year of the trans of this faxed information is saided only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is saidedly mobilized. The formation is saidedly notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is saidedly for the trunt of the original for the original for the return of the original formation is saidedly notified the top original formation is saidedly notified the top original formation is saidedly not be receiped for the return of the original formation is saidedly not be receiped for the return of the original formation is saided to the original formation in the contents of this faxed information is saided to the original formation in the contents of this faxed information is saided to the original formation in the contents of the said the original formation in the contents of this faxed information is saided to the contents of the part of the part of the trunt of the contents of the part of the part of the part of the contents of the part of the part of	Phone: Facilitator (24 hours) 713-704-3100, Manager (Bill Boras) 713-704-5840
Name: HSE Manage. Organization: CES Environmental Services Address: 4904 Giapp Hal. Hst. N. 77021 Phone: MB 832: 287.0862 Fax: 713: 474.16.76 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER: PATSONS PATIENT: Name: Date of Drug Screen: 1-2408 SS#: OR Date of Birth: 96.75 Date of Reported: 1-2808 Candidentiality Notice WARNING: Unumborized interception of this fax communication could be a violation of federal and state law. The documents accompanying this fax transmission axey contains in legally prolitylend. The information that is legally prolitylend. The information that is legally reliaged. The information and in the legally reliaged. The information for the information of this faxed information is satisfy prohibited. If you have received this information in emporitable model's sender by telephone to arrange for the return of the original	Fax: 713-704-4445
Name: HSE Manager Organization: CES Environmental Services Address; 4904 Grigop tol. HSt. N. 77021 Phone: W8832: 2870862 Fax: 713: 676: 1676 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER PACSONS [5] (6) PATIENT: Name: Date of Drug Screen: 12408 SS#: OR Date of Birth: 96. 75 Date of Reported: 1-2808 Confidentiality Notice WARNING: Unsufficited interception of this fax communication could be a violation of federal and state law. The doctaments accompanying this fax transmission may contain information that is legally privileged. The information is infamined only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is safety prohibited. If you have received this information in serior, please immediately notify sender by telephone to arrange for the return of the original	www.memorialhermann.org
Organization: CES Environmental Services Address; 4904 Criago Hol. Hot. N. 77024 Phone: W8632 2870862 Fax: 713 676 1676 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GEM FATS COS PATIENT: Name: Date of Drug Screen: 1-408 SS#: OR Date of Birth: 96.75 Canadaentality Notice WARNING: Unauthorized interception of this fax communication could be a violation of federal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is spirity prohibited. If you have received this information is more, please immediately notify sender by telephone to arrange for the return of the original	Faxed / Mailed To:
Address: 4904 Gugo Fol. HSt.N. 77021 Phone: W8832: 287.0862 Fax: 713: 676: 1676 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER: FASSOS PATIENT: Name: Date of Drug Screen: 1208 SS#: OR Date of Birth: 96.75 Date of Reported: 1-2808 Confidentiality Notice WARNING: Unsusthorized interception of this fax consummention could be a violation of federal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. It is information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is strictly prohibited. If you have received this information in morner, please immediately notify sender by telephone to arrange for the return of the original	
Phone: NB 632: 287:0862 Fax: 713: 676:1676 Urgent Date sent: 1-2808 For Review Time sent: 1000 Please Comment Number of pages including cover page: 2 Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GEM PACS 635 PATIENT: Name: Date of Drug Screen: 1-2408 SS #: OR Date of Birth: 96-75 Confidentiality Notice WARNING: Unsubtorized interception of this fax communication could be a violation of federal and stock law. The documents accompanying this fax transmission may contain information that is legally priviloged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is strictly prohibited. If you have received this information in arrow, please immediately notify sender by telephone to arrange for the return of the original	Organization: CES Environmental Services
• Urgent • For Review • Please Comment • Please Comment • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER PACS COS Date of Drug Screen: 12408 SS #: OR Date of Birth: 96. Confidentiality Notice WARNING: Unsuthorized interception of this fix communication could be a violation of federal and size law. The documents accompanying this fix transmission may contain information that is legally priviloged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, cryping, distribution, or taking of any action on the contents of this fixed information is strictly prohibited. If you have received this information in arrow, please immediately notify sender by telephone to arrange for the return of the original	Address: 4904 Grigon tol HSt, 77021
• For Review • Please Comment • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: Date of Drug Screen: 12408 SS #: Date of Reported: 12508 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of federal and state law. The documents accompanying this fax transmission may contain Information that is legally priviloged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this fax continuous of the return of the original	Phone: MB 832: 287.0862 Fax: 713.676.16.76
Please Comment Number of pages including cover page: Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: Date of Drug Screen: Date of Drug Screen: OR Date of Birth: OR Date of Birth: OR Date of Birth: OR WARNING: Unsushorized interception of this fax communication could be a violation of federal and state law. The documents accompanying this fax transmission may contain information that is legally priviloged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is strictly prohibited. If you have received this information in arror, please immediately notify sender by telephone to arrange for the return of the original	• Urgent Date sent:)- 2808
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Occupational Medicine Staff mailing results: GER PATS 605 [b] (6) PATIENT: Name: Date of Drug Screen: 1 2408 SS #: OR Date of Birth: 75 Date of Reported: 1 28 08 Confidentiality Notice WARNING: Unsuthorized interception of this fax communication could be a violation of federal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is strictly prohibited. If you have received this information in arror, please immediately notify sender by telephone to arrange for the return of the original	
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Confidentiality Notice WARNING: Unsuthorized interception of this fax communication could be a violation of federal and state law. The doctunents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is strictly prohibited. If you have received this information in error, please immediately notify sender by telephone to arrange for the return of the original	Date of Drug Screen: 1.2408 SS #: OR Date of Birth: 96.75
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do arram en la	WARNING: Unsuthorized interception of this fax communication could be a violation of federal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the contents of this faxed information is strictly prohibited. If you have received this information in

1/45 .OVI 7/1 1/7

EPAHO043000465

Send the specified copies to your Workers' Compensation Insurance Carrier and the injured employee.
*Employers - Do not send this form to the Texas Workers' Compensation Commission, unless the Commission specifically requests a direct filing.

TWCC CLAIM #	
CARRIER'S CLAIM#	99J0000517921

		EMPLO	YER'S FIRST RE	PORT	F INJURY OR ILLNE	ss		
1. Name (Last, First, M.I.)		2. Sex		7	15. Date of Injury	16. Time of Injury	17. Date Lost	Time
(b) (6)			FUM		1-24-08	~ (1:30 □ am □ pm	1-25-0	8
3. Social Security No.	4. Home Phone	5. Date	of Birth	1	18. Nature of Injury*	19. Part of Body In	jured or Expos	ed*
(b) (6)	0) (6)				Fractured Wrist	WRIST		İ
6. Does the Employee Speak	English? If No	. Specify	Language	1	20. How and Why Injury	l	·	
Ves	□No	, -, ,	gg-		1.		- 11	
]	LADOER BROKE	- Employee	fell 1	9 FEET
7. Race	B. Ethnicity			1	23. Address Where Inju	•		
المائدة .				1	Name of business i			
FTI SPANIC	-0.0	 -		4	CES Envisorment	AR 4904 G	TRIGGS /C	0
9 Mailing Address Street o	r P.O. Box				City Houston	State. TX	Zip 770	21
(b) (6)	Ì	7]	24. Cause of Injury(fall,	tool, machine, etc.)*	
10. Marital Status: MARRIL	EU)			1	FAIL			
11. Number of Dependent Ch	ildren	12. Spor	use's Name		25. List Witnesses:	ONE		
13. Doctor's Name: MEMC	rial HERM	ATVI 1	+tospital	1	26. Return to work	27. Did employee	28. Super-	28. Date
14. Doctor's Mailing Address	(Street or P.O.Bo			†	Date/or expected	die?	visor's name	Reported
6411 FANNIN, Sui	te H 1.21			}			MARLIN	
				1		1 .1 .0	MOSER	
City Houston s	tate // X	Zip つつ(030-1501			NO	INC-II	
30. Date of Hire 3	1. Was employee	birad or	coordinate in	122 Lan	gth of Service in	33. Length of Ser	vice in Occurs	ation
<u> </u>	Texas?	√Ye		1	rent Position (mm/yy)	(mm/yy)	vice in Occupa	20011
(b) (6)	16223:	ب ا	٠ ١ ٠٠٠		est osmor (miny)	54R	S 7MO	15
34. Employee Payroll Classific	ation Code				upation of Injured Work			
	7. Full Work Wee	k is:	38. Last Paycheck		39. Is employee an Ow		rporate Office	r?
(b) (6) Weekly	Hours	Days	Hours	Days		□Yes 🗷	No	
40. Name and Title of Person	40		41.54	lat No-	a of Business			
KARL A. Guide			AGER	141. Nan	ne of Business CES	ENVIRONMEN	atal Se	Rvices IN
42. Business Mailing Address	and Telephone N	umber		43. Bus	ness Location (If differe	ent from mailing add	iress)	
4904 Griggs 720		Tel No: 7	113-676-1460	-	NA ~			
City Houston St	ate X		7021	City	Slate		Zip	
44. Federal Tax Identification N (b) (6)	lumber	45. Prima	ary Standard Indus Code* (4 digit) 5	122	/ ^C 7 (4 digit)	ific SIC Code* 563219	paver No.	omptroller Tax
48. Workers' Compensation Ins	surance Compan			49. Poli	cy Number	~ ^ ^		
TEXAS MUTUAL	<u> </u>				TSF0	0010860	44	
50. Did you request accident por	revention service If yes, did you re-			_			•*	
Yes No 51. Signature and Title (READ)				No BEFOR	E SIGNING)	. 00 -04	<u> </u>	
x Kull	1/1-1-	1 1fs	E MANAGE	-K	Date	1-29-08	<u> </u>	_
		•		•				

You may be entitled to know what information UT Arlington (UTA) collects concerning you. You may review and have UTA correct this information according to procedures set forth in UT System BPM #32. The law is found in sections 552.021, 552.-23 and 559.004 of the Texas Government Code.

Continued on next page

****** - IND. XMT JOURNAL- ******** DATE JAN-31-2008 **** TIME 16:48 ******

DATE/TIME = JAN-31-2008 16:46

JOURNAL No. = 018

COMM. RESULT = OK

PAGE(S) = 007

DURATION = 00:01:21

FILE No. = 792

MODE = MEMORY TRANSMISSION

DESTINATION = 7133162191

RECEIVED ID = / 7133162191

RESOLUTION = STD

-CES Environmental Service-

***** DP-3010 ************** - - ***** - 713 676 1676- ********



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676



то: Texas Mutual From: Karl Guidry

Mobile: (832) 287-0862

Fax: 713-316-2191 Pages: Pages to follow 6

Attn: Marilyn Royer Date: January 31, 2008

Marilyn,

Documents we discussed related to (b) (6)

Karl Guidry

Employee Acknowledgment of Workers' Compensation Network

I have received information that tells me how to get health care under my employer's workers' compensation insurance.

If I am hurt on the job and live in a service area described in this information, Lunderstand that:

- 1. I must choose a treating doctor from the list of doctors in the network. Or, I may ask my HMO primary care physician to agree to serve as my treating doctor. If I select my HMO primary care physician as my treating doctor, I will call Texas Mutual at (800) 859-5995, extension 2880 to notify them of my choice.
- 2. I must go to my treating doctor for all health care for my injury. If I need a specialist, my treating doctor will refer me. If I need emergency care, I may go anywhere.
- 3. The insurance carrier will pay the treating doctor and other network providers.
- 4. I might have to pay the bill if I get health care from someone other than a network doctor without network approval.
- 5. Making a false or fraudulent workers' compensation claim is a crime that may result in

	5-30-02
	Date
rinted Name	
(b) (6)	
I live at:	
Street Address	
11-10-10-1	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Houston	X 77028
City	tate Zip Code
Name of Employer: CES ENVIRONMENTAL SERV	ices, Inc
Name of Network: Texas Star Network _{SM}	
Network service areas are subject to change.	
Call (800) 381-8067 if you need a network treatin	g provider.
Please indicate whether this is the:	* *

DO NOT RETURN THIS FORM TO TEXAS MUTUAL INSURANCE COMPANY UNLESS REQUESTED

Injury Notification (Date of Injury: <u>D1 / Z4 / Z008</u>)

Employee Notice of Network Requirements - 03/06

Initial Employee Notification

Page 8 of 8

Send to workers' compensat	lion carrier:
TEXAS mutual	713-316-2191
AHN: Man Ilia	of carrier)



CLAIM #	_
CARRIER'S CLAIM # 99J0000517921	

☐ Initial ☐ Amended

EMPLOYER'S WAGE STATEMENT

The Texas Workers' Compensation Act and Workers' Compensation rules require an employer to provide an Employer's Wage Statement to its workers' compensation insurance carrier (carrier) and the claimant or the claimant's representative, if any. The purpose of the form is to provide the employee's wage information to the carrier for calculating the employee's Average Weekly Wage (AWW) to establish benefits due to the employee or a beneficiary.

The AWW is based on the wages the employee earned in the 13 weeks immediately preceding the date of injury (or the wage a similar employee earned if the employee did not work the full 13-week period). "Wages" include all forms of remuneration payable to an employee for personal services, including fringe benefits. To simplify filing, employers may file wages in a monthly, biweekly, or weekly manner as discussed below.

NOTE - An employer who fails without good cause to timely file a complete wage statement as required by the Texas Workers' Compensation Act, Texas Labor Code, Section 408.063(c) and Worker's Compensation Rule 120.4 may be assessed an administrative penalty not to exceed \$500.00 for an initial offense and not to exceed \$10,000.00 for a repeated administrative violation.

The Injured Employee OR A Similar Employee (NOTE - If

requested by the Division, the employer shall identify the similar employee

The employer shall timely file a complete wage statement in the form and manner prescribed by the Division.

- (1) The wage statement shall be filed ("filed" means received) with the carrier, the claimant, and the claimant's representative (if any) within 30 days of the earliest of:
 - (A) the employee's eighth day of disability;
 - (B) the date the employer is notified that the employee is entitled to income benefits;
 - (C) the date of the employee's death as a result of a compensable injury.
- (2) The wage statement shall also be filed with the Division within seven days of receiving a request from the Division (Only When Requested).
- (3) A subsequent wage statement shall be filed with the carrier, employee, and the employee's representative (if any) within seven days if any information contained on the previous wage statement changes (such as if the employer discontinues providing a nonpecuniary wage that was initially continued after the date of injury).

All applicable DWC rules can be found at www.tdi.state.tx.us

skills & wages comparable to the injured employee AND who performs

services/tasks comparable in nature and in number of hours. If no similar

employee exists, report the limited available wages earned by the

injured employee prior to the injury.

EMPLOYEE AND EMPLOYER INFOR	RMATION	Employer's Business Name	e: ('			
(b) (b) Employee's Ivialling Address (Street or P.O. Box):		Employer's Mailing Addres	S (Street or P.O. Box):	notal Services, Inc		
(b) (6)		4904 Grige	3 Ro.			
Houston TX	ZIP Code: 77028	Employer's Mailing Addres 4904 GRIGO City: HOUSTON Federal Tax I.D. Number:	State: TX	ZIP Code: 77071		
Social Se (b) (6) (6) (ast four digits):		Federal Tay I D. Number	(b) (6)			
Date of Hire. Date of Injur	y:	Name and Phone # of Per				
		KARL Guidry	832-281-08	64		
As of today's date, the employee is not back. The employee returned to work on without restriction. OR with restrictions and is earning wages of week/month (circle one). NOTE - Rule 120.3 requires the employer file the Injury (DWC FORM-6) to report changes in Work Earnings.	and is working: \$ per Supplemental Report of	complies with the Texas vand the listed wages inclu (earned in) the 13 weeks p	Workers' Compensation de all pecuniary and no prior to the date of injury making a misrepresei	is complete, accurate, and a Act and applicable rules, inpecuniary wages paid for y (as described on page 2) intation about a workers' nes and/or imprisonment. Date: 1-31-04		
EMPLOYMENT STATUS AT TIME OF	INJURY (Check A	All That Apply)	,			
Full-time: employee who regularly works at least 30 hours per week and whose schedule is comparable to other employees of the company and/or other employees in the same business or vicinity who are considered full-time. Seasonal: employee who as regular course of conduct engages in seasonal or cyclical employment that may or may not be agricultural in nature and that does not continue throughout the year.	employee whose work period preceding the inju worked part-time during t Part-time: Not Reg employee whose work period preceding the inju time work during that per Apprentice: employee	Begular Course of Conduct: k history for the 12-month higher shows part-time and full period. Dysee who is learning a skilled stical experience under the Student: employee enrolled in a course of study in high school, college or other institute of higher education or technical training. □ Trainee: employee undergoing systematic instruction and practice in some art, trade or				
SAME OR SIMILAR EMPLOYEES			<u> </u>			
SAME OR SIMILAR EMPLOYEE?		If the employee was not en of injury, report the wages				

NOTE TO INJURED EMPLOYEE - If you were injured on or after 7/1/02, and had employment with more than one employer on the date of injury, you can provide your insurance carrier with wage information from your other employment for the carrier to include in your AWW and this may affect your benefits.

DWC FORM-3 (Rev. 10/05) Page 1

whose wages were provided.)



DIVISION OF WORKERS' COMPENSATION

WAGE INFORMATION INSTRUCTIONS

MONIDECTINITA DV MACE INCODMATION

Nonpecuniary Wages include all wages paid to the employee in a form other than money. These include, but are not limited to, the

- The employer shall report all wages earned in the 13 weeks immediatery preceding the date or injury. If the employee is paid on a monthly or semi-monthly basis, the employer may provide wages for the 3 months preceding the date of injury. Monthly wages may also be converted to weekly wages by dividing the gross monthly amount by 4.34821. If the employee is paid on a biweekly basis, the employer may provide the wages for the 14 weeks preceding the date of injury. When setting the periods to report, the employer may adjust the reporting period backward slightly (up to six days) to line up the reporting timeframes with the employer's natural pay cycle. However, the employer shall not report wages earned on or after the date of injury.
- If reporting weekly earnings, use all 13 Period Columns below. If reporting 3 months of earnings, either convert the wages to weekly earnings or use the first 3 Period Columns. If reporting 14 weeks of biweekly earnings, use the first 7 Period Columns. In all cases, indicate the dates that each period covers.

														re not limited to: es; bonuses; and
PECUNIARY WAGE I		commission commission use of the	ons. Earnin ons) need to employee's	gs are repo be prorated equipment	orted in the I. Pecuniary or for payin	periods the wages don	y are earne 't include pa to reimburs	d, NOT who yments mad e for travel	en they are le by an em expenses.	paid and s ployer to rei Consider as	ome (such mburse the earnings ar	as bonuses and employee for the nounts from paid		
PERIOD # (Week #, Month #, or Bi-Week #)	1	2	3	4	5	6	7	8	9	10	11	12	13	
FROM DATE:	1/20	1/13	116	12/30	12)23	12/16	219	12/2	11/25	11/18	11)11	1114	10)28	
TO DATE:	1/26	1)19	1112	115	12/29	12/22	12/15	12/8	12/1	11/24	11/17	11)0	11/3	TOTALS
# HOURS WORKED:	41:54	53:34	51	42:24	42:10	51:07	50:43	52 45	48:05	57:29	48:14	52:34	51:07	641.06
GROSS WAGES EARNED:	578.48	814.73	76309	572.4	569.X	765.11	757.01	798.19	703.69	786.04	706.72	794.48	765.11	9374.30

NONPECU	WAN I	WAGE														e to purch		
Nonpecuniary Wage Type	Employer Provided Prior To Injury?		Specify Value Or Amount Earned in Each Reported Period For Each Benefit Provided Prior To Injury (Use the same periods as used above)								Will Employer Continue To Provide?		Date Benefit Suspended (if suspended)					
	YES	NO	1	2	3	4	5	6	7	8	9	10	11	12	13	YES	NO	1
Health Insurance																		
Laundry/ Cleaning																		
Clothing/ Uniforms																		:
Lodging/ Housing/																		
Food/ Meals																		
Vehicle/ Fuel																		
Other																		



EPAHO043000471

NURSING SECTION

Discharge Date: 1 24 08 Time Accompanied by: _	urfe
Mode of Transportation: Ambulatory Wheel Chair	☐ Stretcher ☐ Ambulance
Vital Signs prior to Discharge: 17 HR 1303 BP 18 RR	79° Temperature Pain Score on a scale of 1 to 10
🗇 Interdisciplinary Care Plan Closed and Patient Goals Met: 💩	TYes □ No
TUnresolved Patient Goals:	
☐ Unresolved Patient Goals:	· ·
☐ Screened for Vaccinations: ☐ Flu ☐ F	neumonia
	Contraindicated
☐ Vaccination Information Sheet (VIS) provided. Publish date:	
Valuables: ☐ Nøne ☐ Returned to Patient ☐ Given to Fam	The state of the s
· ·	
Discharge with: ☐ Orthopedic Device ☐ C	rutches/Cane/Wheel chair
☐ Respiratory ☐ W	/ound/Incision Care
☐ Other ☐ O	ther
Supplies Provided (list):	
Discharge Instructions Previewed:	
☐ Red Education Envelope provided	
DReviewed Home Medication Reconciliations Form (yellow	v copy to patient)
Dietary instructions	
Medication Instructions provided (monograph printed fro	om Care ⁴ , on, all medications)
☐ Dressing Change/Wound Care Instructions	and the second s
☐ Smoking Cessation Education	" and "
☐ Additional Education Materials (list):	
Core Measure Education provided: Stroke CHF P	neumonia 🗆 AMI 🗅 Other 🗇 NA
☐ Safety Precautions	
I have been given a copy and explanation of my discharge ins	tructions, which I have read, understand and can follow
(b) (6)	additions, which thave read, understand and can follow.
	SD $1/2\omega/\omega$
(Print Patient Name) (Signature)	Relationship to patient Date
Jatiana Morcan Sutra	1240x
(Print Name) (Signature	of Nurse) Date Time
MEMORIAI"	
HERMANN	ADM: 01/24/08
Day of Discharge	(b) (6) M
	DOB: (b) (6) 32 Years SER: ORT
131612 3/06	I RABAR HAN ANN FREI ANN BARE HAN HAN HAN ANN TAN ANN BAR ANN
	(

431612 3/06

Admitting Diagnosis: Consultion: Graph Gra	Admitting Date: 124 los	Disc	harge Date:	1/26/08 **	•	
Condition: 3 Good Fair Poor Stable Discharge To: Home LTAC SNF Home Health Primary Physicians and Services: Name of facility: Hospital Course: Name of facility: Hospital Course: Name of facility: Na	Admitting Diagnosis: Lale death relief	Ty Disc				
Primary Physician: Consulting Physicians and Services:						
Significant procedures, treatments and events while hospitalized: Surgery O	Primary Physician: Lectre		harge To:	☐ Hospice ☐ Re	ehab 🗇 Other	
Significant procedures, treatments and events while hospitalized: Surgery C C C C C C C C C	Hospital Course:					
Significant procedures, treatments and events while hospitalized: Surgery C C C C C C C C C	O'. No.					
Significant procedures, treatments and events while hospitalized:	7					
Significant procedures, treatments and events while hospitalized:	Nuz (u)	(ic				
Significant procedures, treatments and events while hospitalized: Surgery Pric Color		T		·····		
Significant procedures, treatments and events while hospitalized: Surgery Or Complete	3					
Interventional Procedure		hospitalized:				
Filter						
Complications						
Other Complications: Follow-Up Care and Instructions						
Follow-Up Care and Instructions 1. Call your primary physician for a follow-up appointment inweeks. 2. Physician:					ned post disch	arge
1. Call your primary physician for a follow-up appointment inweeks. 2. Physician:	☐ Other Complications:					
2. Physician:	Follov	v-Up Care and	Instruct	ions		
2. Physician:	1. Call your primary physician for a follow-up appo	ntment inw	eeks.	7 1 17		
Activity Level Ambulate:	2. Physician: 110 Vote C	Office Numb	er: 715-	620 - 6300	Appointment [Date:
Activity Level Ambulate: with assistance with bathroom privileges wi	3. Physician:	Office Numb	er:		Appointment [Date:
Ambulate: with assistance as tolerated Activity: Bedrest with bathroom privileges as tolerated Out of bed to chairtimes/day Limited to pounds Weight Bearing: No restrictions Restricted to	4. Referred for:		···		<u></u>	
Ambulate: with assistance as tolerated Activity: Bedrest with bathroom privileges as tolerated Out of bed to chairtimes/day Limited to pounds Weight Bearing: No restrictions Restricted to	Activity Level					
Activity:	· · · · · · · · · · · · · · · · · · ·	erated				
Out of bed to chairtimes/day Lifting:			s das	tolerated		
Lifting: No restrictions	•					
Weight Bearing: No restrictions Restricted to	and the same of th	ed to pounds				
Stairs:						
May:						
May resume sexual activity: Immediately In_weeks Alcohol: Yes No Referred to community Resources Weight Monitoring: Yes No If weight increases/decreases by pounds; notify MD	Driving: Immediately In	weeks	A.M.	o driving		
Alcohol:	May: ☐Shower ☐ Bath	with assistance	7 +			
Weight Monitoring:	May resume sexual activity: ☐ Imme	diately	,□ Jn	weeks		
Diet Type:	Alcohol:	1 6			nity Resources	;
If you experience any of the following symptoms, notify the MD Pain Nausea Vomiting Bleeding Swelling Sign of Infection Shortness of Breath Temperature Other		eases/decreases by	po	unds; notify MD		
□ Pain □ Nausea □ Vomiting □ Bleeding □ Swelling □ Sign of Infection □ Shortness of Breath □ Temperature □ Other □ Medications □ See Home Medication Reconciliation/Orders for discharge medications. □ Bring a copy of these instructions with you to your next doctor appointment. □ Prescriptions given to patient. □ Print Name ○ (Signature of Physician) M.D. # and Pager # Date Time MEMORIAL			<u> </u>	Company of the Compan		
Medications ☐ See Home Medication Reconciliation/Orders for discharge medications. ☐ Bring a copy of these instructions with you to your next doctor appointment. ☐ Prescriptions given to patient. ☐ Print Name)			The state of the s			
See Home Medication Reconciliation/Orders for discharge medications. Bring a copy of these instructions with you to your next doctor appointment. Prescriptions given to patient. (Print Name) (Signature of Physician) M.D. # and Pager # Date Time	*	Swelling 🗇 Sign o			3reath ☐ Temi	perature
See Home Medication Reconciliation/Orders for discharge medications. Bring a copy of these instructions with you to your next doctor appointment. Prescriptions given to patient. (Print Name) (Signature of Physician) M.D. # and Pager # Date Time	☐ Other	, i ⁷		71		*
☐ See Home Medication Reconciliation/Orders for discharge medications. ☐ Bring a copy of these instructions with you to your next doctor appointment. ☐ Prescriptions given to patient. ☐ \$\frac{5}{4}\frac{119}{2}\frac{2}{3}\frac{12}{12}\frac{1}{1	Medications	7	. j	. 1 "1"		√**•
Bring a copy of these instructions with you to your next doctor appointment. Prescriptions given to patient. Since William (Signature of Physician) M.D. # and Pager # Date Time MEMORIAL		scharge medication	ns.	The second second	Ü	
Prescriptions given to patient. SINCHT (Print Name) (Signature of Physician) M.D. # and Pager # Date Time MEMORIAL					v	
(Print Name) (Signature of Physician) M.D. # and Pager # Date Time MEMORIAL	Prescriptions given to patient.					6.0
(Print Name) (Signature of Physician) M.D. # and Pager # Date Time MEMORIAL	5. N. C. M. T		411101	25112	1/2/	los Alor
MEM O RIAL		ature of Physician)				
MEMORIAL	(Olg)			· · ~ 3 · · ·		
	MEMORIAL				NA. 01/04/08	

Day of Discharge



Employee - You are required to report your injury to your employer within 30 days if your employer has workers' compensation insurance. You have the right to free assistance from the Texas Department of Insurance, Division of Workers' Compensation and may be entitled to certain medical and income benefits. For further information call your local Division field office or 1(800)-252-7031.



Empleado - Es necesario que reporte su lesión a su empleador dentro de 30 días a partir de la fecha en que se lesionó si es que su empleador cuenta con un seguro de compensación para trabajadores. Usted tiene derecho a recibir asistencia gratuita por parte de la División de Compensación para Trabajadores, y también puede tener derecho a ciertos beneficios médicos y monetarios. Para mayor información comuniquese con la oficina local de la División at teléfono 1-800-252-7031.

TEXAS WORKERS' COMPENSATION WORK STATUS REPORT Date Being Sent

PART I: GENERAL INFORMATION		RICIA JANKI, M.	D		·	'08 JAN 71 em 9.7
1. Inkured Employee's Name (b) (6)		c/Facility Name "RICIA JANKI, M.	D., P.A.	9.	Employer's Name	, mil (J. 9)
2. Date of Injury 3 Social Security Number (b) (6)		c/Facility/Doctor Phone & Fa 330-4325 / 330-19	•	10.	Employer's Fax # or Email Address (#	
4. Employee's Description of Injury/Accident		c/Facility/Doctor Address (st	•	11.	Insurance Carrier	,
	City	01 WOODFORES	Ziρ	12.	Carrier's Fax # or Email Address (If kr	igwn)
		STON TX	77015		(3) 20 4 348	<u></u>
PART II: WORK STATUS INFORMATI 13. The injured employee's medical condition will allow the employee to return to through 2/15/10 (date). 15. The injured employee to return to through 2/15/10 (date). 16. Co has prevented and still prevents the	n resulting work as work as o	from the workers' co of(date of(date)	mpensation injury) without restrict with the restrict	: <u> ons</u> ons denti	fled in PART III, which are e	xpected to last
(date). The following						
PART III: ACTIVITY RESTRICTIONS* 14. POSTURE RESTRICTIONS (If any): Max Hours per day: 0 2 4 6 8 Other Standing	() ()	MAX Hours per day: Walking Climbing stairs/ladders Grasping/Squeezing Wrist flexion/extension Reaching Overhead Reaching Keyboarding Other: May not lift/carry of for more than May not perform a	O 2 4 6 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other	in extreme hot/cold in at heights or on sca in Must keep Elevated Clea in No skin contact with: in Dressing changes nece in No Running in extreme hot/cold in extreme	work times avy equipment c transmission urs/day work: environments affolding n & Dry assary at work CTIONS (if any): medication(s) e-counter meds
* These restrictions are based on the doctor to particular restriction does not apply, it should be available, the patient should be considered to be of as well as at work.	disregarded	i. If modified duty that	meets these restrict	ions is not	Medication may make of Safety/driving issues)	irowsy (possible
D fream Tradus	Experience Referrence Physic Specience None	cted Follow-up Servation by the treating or ral to/Consult with X pecal medicine X pecal studies (list): This is the last sche	r week for wee	problem.	on (date) at on (date) at At this time, no further medic	am/pm :am/pm :am/pm :am/pm cal care is anticipated.
Date / Time of Visity 3	- -	DOCTOR'S SIGNA)	Visit Type: Initial Follow	-up * Role of Doctor: Designated doctor Carrier-selected RM DWC-selected RME	
FORM-73 (Rev. 10/05) Page 1					DIVISION OF W	ORKERS' COMPENSATION

DWC FORM-73 (Rev. 10/05) Page 1

****** -IND. XMT JOURNAL- ********* DATE FEB-21-2008 ***** TIME 14:55 *******

DATE/TIME

= FEB-21-2008 14:53

JOURNAL No. = 039

COMM. RESULT = OK

PAGE(S)

= 003

DURATION = 00:00:29

FILE No. = 408

MODE

= MEMORY TRANSMISSION

DESTINATION = 7133162191

RECEIVED ID = / 7133162191

RESOLUTION = STD

-CES Environmental Service-

***** DP-3010 ****************************

100

_ **** _

713 676 1676- ******

****** -IND. XMT JOURNAL- ********* DATE FEB-29-2008 **** TIME 12:28 *******

DATE/TIME = FEB-29-2008 12:26

JOURNAL No. = 136

COMM. RESULT = OK

PAGE(S) = 002

DURATION = 00:00:19

FILE No.

= 702

MODE

= MEMORY TRANSMISSION

DESTINATION = 7133162191

RECEIVED ID = / 7133162191

RESOLUTION = STD

-CES Environmental Service-

**** DP-3010 *********** -

713 676 1676- *******



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

Fax

To:	Texas Mutual	From:	Karl Guidry
			Mobile: (832) 287-0862
Fax:	713-316-2191	Pages:	Pages to follow // /
Attn:	Michelle Gatlin	Date:	February 21, 2008
Michell	e,		
Docum Je o jtis Karl Gi	nents we discussed related to (b) (c) Line of the control of the	i had	I to signer woldber ham
ran o	<i>,</i>		Fegards S
			7, 12, 14, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

February 21, 2008

(b) (6)	
HOUSTON, TEXAS 77028	
HOUSTON, TEXAS 77028	

TEXAS MUTUAL CLAIM 99J0000517921

Dear	(b)	(6)		
Dom				

CES Environmental Services, Inc. would like to offer you a temporary, modified job duty assignment at the facility Tank Wash area, located at 4904 Griggs Rd in Houston, Texas. The schedule for this position is 5:00 am to 2:00 pm Monday through Friday, and the job pays \$13.50 per hour, which is your current rate of pay. The job duties meet the work restrictions certified by Dr. Patricia Janki, whose work status report is attached.

The job involves filing Material Safety Data sheets in the Tank Wash office. Your duties will involve sitting at the work station and sorting MSDS' prior to filing them in the hard copy book. This job will not require the use of your left hand.

While assigned to this modified –duty job position we will only assign tasks that are consistent with your physical abilities, knowledge and skills. Training will be provided as necessary.

Please contact me as soon as possible if you are willing to accept this temporary, modified job assignment.

KARL A. GUIDRY

CES Environmental Services, Inc.

HSE Manager

Enclosed: TWC Work Status Report

Accept _ (b) (6)	Date 2-29-08
Decline	Date

Z389-3Z-85-39133



TEXAS WORK	ERS' COMPENSATION WORK ST	ATUS REPORT
PART : GENERAL INFORMATION	PATRICIA JANKI, M.D.	Coto Being Sant '98 JAN 74
(b) (6)	Cht. Pocity Name PATRICIA JANKI, M.D., P.A. Cht. Feder Pocity Rote & Pat	CES environmental service.
1/24/39 (b) (6)	13-330-4325 / 330-1910	708 JAN 31 A 11:19
1 Copie am	OUSTON TX 77015	7 (X AS AN UT UA !-
13. The injured employee's medical condition result (a) will allow the employee to return to work through 215/1/2 (date).		iffied in PART III, which are expected to last to) and is expected to confirm through
PART III ACTIVITY RESTRICTIONS (ON II 14. POSTURE RESTRICTIONS (If enty): Max Hours per day: 0 2 4 6 8 Other Standing	17. MOTION RESTRICTIONS (If enty): Max Hours per day: 0 2 4 6 8 Other Walking	19. MISG. RESTRICTIONS (if any): Max hours per day of work:
particular matriction does not apply, it should be derage available, the patient should be considered to be off work. as well as at work.	rded. If macified duly first masts these nistrictions is not Note - these restrictions should be followed outside of work	Sufaty/driving busines)
Deram Joduston	pocted Follow-up Services Include: alustion by the treating doctor, op	At this time, no further medical densits anticipated. Rate of Doctor: Designated doctor Referral doctor



Claim & Information Services P.O. Box 12029 Austin, TX 78711-2029

1-800-859-5995 (512) 224-3800 Fax

(512) 224-3889

February 4, 2008

RECEIVED

C E S ENVIRONMENTAL SERVI 4904 GRIGGS RD HOUSTON, TX 770213208

Re: Claim #: 99J0000517921

> Employee: Soc. Sec.:

C E S ENVIRONMENTAL SERVI Employer:

Date of Injury: 01/24/2008

DWC #:

In accordance with the Division of Workers' Compensation Rules, we are requesting that you submit the information indicated below. The DWC3 and DWC6 forms are available for printing from our website, www.texasmutual.com, under services, or from the division's website, www.tdi.state.tx.us. For your convenience, a DWC3 is now available for you to complete and submit on-line. It is located on our website, www.texasmutual.com under the Employers - Loss Run & Claims Detail Section. If you need assistance with filing the DWC3 on-line please contact me. If you do not have access to the Internet, we will be happy to send you a blank form.

\boxtimes	OR	DWC3 EMPLOYER'S WAGE STATEMENT (Rule 128.2) - Please fax or email attachment or use the on-line version (www.texasmutual.com).
	OK	DWC3SD EMPLOYER'S WAGE STATEMENT FOR SCHOOL DISTRICTS (Rule 128.7)
		DWC6 EMPLOYER'S SUPPLEMENTAL REPORT OF INJURY OR ILLNESS (Rule 120.3) - Please fax or email attachment. The following time frames apply.
		Within 10 days after:
		 The end of each pay period in which the employee's earnings have changed as a result of the injury, OR The employee returns to work, or the employee, after returning to work experiences an additional day(s) of disability as a result of the injury.
		Within 3 days after:
		 The employee begins to lose time from work as a result of the injury, OR
		 The employee returns to work, or the employee, after returning to work experiences an additional days(s) of disability as a result of the injury
	AND	
		EMPLOYEE ACKNOWLEDGEMENT OF WORKERS' COMPENSATION NETWORK FORM (This form(s) shall be completed, signed and submitted). Please fax or send attachment via email as soon as possible.
		COPY OF THE POST-ACCIDENT DRUG SCREEN RESULTS
D - 21-		and the region of the control of the

Failure to provide the required information is an administrative violation and may result in the assessment of a penalty from the Division of Workers' Compensation.

Thank you for your prompt attention to this matter. If you have any questions, please call me at 1-800-859-5995 EXT. 2120.

Sincerely,

Michele Y. Gatlin/MC

Michele Y. Gatlin WORKERS' COMPENSATION SPEC I



FEB 0 1 2008

Address: 6411 Fannin, Suite H 1.21, Houston, Texas 77030-1501 Phone: Facilitator (24 hours) 713-704-3100, Manager (Bill Boras) 713-704-5840 Fax: 713-704-4445 www.memorialhermann.org Faxed / Mailed To: Name: HSE Manage. Organization: CES Environmental Securios Address: 4904 Gugap fol HSt, N 77024 Phone: WB 832-281-0862 Fax: 713-676-16-76 • Urgent Date sent: 1-28-08 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER: PASSIS Date of Drug Screen: 408 SS #: OR Date of Birth Date of Reported: 1-28-08 Confidentiality Notice VARNING: Unanthorized interception of this fax communication could be a violation of elected and state is irw. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient. Too use hereby notified that any disclosure, copying, distribution, or haking of any action on the	Occupational Medicine Services ALL DRUG SCREEN RESULTS WILL BE CALLED TO THE DESIGNATED EMPLOYER REPRESENTATIVE THEN THE RESULTS WILL BE FAXED OR MAILED
Www.memorialhermann.org Faxed / Mailed To: Name: HSE Manage. Organization: CES Environmental Services Address: 4904 Guap tol. HSt, N 77021 Phone: M8 832 287 0862 Fax: 713 676 16 76 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GEM PATSONS PATIENT: Name: Date of Drug Screen: 408 SS#: OR Date of Birth. Date of Reported: 1-2808	Address: 6411 Fannin, Suite H 1.21, Houston, Texas 77030-1501
www.memorialhermann.org Faxed / Mailed To: Name: HSE Manager Organization: CES Environmental Services Address: 4904 Crigop tol. HSt. N 77024 Phone: WB 632: 287:0862 Fax: 713: 676:1676 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER: FATSONS (5) (6) PATTENT: Name: Date of Drug Screen: 408 SS #: OR Date of Birth Date of Reported: 1-2808 Canfidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain formation that is legally privileged. The information is intended only for use by the recipient.	Phone: Facilitator (24 hours) 713-704-3100, Manager (Bill Boras) 713-704-5840
Name: HSE Manager. Organization: CES Environmental Services Address: 4904 Grigop tol. HSt N 7704 Phone: NVB 832: 287:0862 Fax: 713: 676:1676 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER PATSONS [5] (6) PATTENT: Name: OR Date of Birth Date of Reported: 1-2808 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	Fax: 713-704-4445
Name: HSE Managh. Organization: CES Environmental Services Address: 4904 Grigop fol HSt, N 77021 Phone: WB 832 2870862 Fax: 713 676 1676 • Urgent Date sent: 1-2808 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER PATSENS Date of Drug Screen: 408 SS# OR Date of Birth Date of Reported: 1-2808 Confidentiality Notice WARNING: Unsuthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain normation that is legally privileged. The information is timeded only for use by the recipient.	www.memorialhermann.org
Address: 4904 Cugop fol HSt, N 77021 Phone: W8 832: 287.0862 Fax: 713: 676:1676 • Urgent Date sent: 1-28.08 • For Review Time sent: 1000 • Please Comment Number of pages including cover page: 2 • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: GER PACSONS Date of Drug Screen: 408 SS #: OR Date of Birth Date of Reported: 1-28.08 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of dederal and state law. The documents accompanying this fax transmission may contain of mormation that is legally privileged. The information is intended only for use by the recipient.	\leftrightarrow 5/2 \leftrightarrow 7
• Urgent • For Review • For Review • Please Comment • Please Comment • Number of pages including cover page: • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: • Confidentiality Notice Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	Organization: CES Environmental Services
• Urgent • For Review • For Review • Please Comment • Please Comment • Number of pages including cover page: • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: • Coccupational Medicine Staff mailing results: • PATIENT: Name: Date of Drug Screen: • OR Date of Birth Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	Address: 4904 Giago tal HSt. 777021
• For Review • Please Comment • Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: Date of Drug Screen: Date of Reported: 1-28-8 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	Phone: 718832. 287.0862 Fax: 713. 676.1676
Please Comment Number of pages including cover page: Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: Date of Drug Screen: Date of Reported: 1-28-08 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	• Urgent Date sent: 1-28.08
Please Reply Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: Date of Drug Screen: OR Date of Birth Date of Reported: OR Date of Birth Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	• For Review Time sent: 1000
Message: The attached are results for a drug screen collected at Memorial Hermann Hospital. Below is the patient's information. Occupational Medicine Staff mailing results: Date of Drug Screen: Date of Reported: 1-28-8 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	• Please Comment Number of pages including cover page: 2
the patient's information. Occupational Medicine Staff mailing results: (b) (6) PATIENT: Name: Date of Drug Screen: 408 SS #: OR Date of Birth: Date of Reported: 1-2808 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	
PATIENT: Name: Date of Drug Screen: 1 26 8 #: OR Date of Birth: Date of Reported: 1 28 8 #: OR Date of Birth: Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	the patient's information.
Date of Drug Screen: YOY SS #: OR Date of Birth: Date of Reported: 1-28-8 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	Occupational fitted Manager Maning Testins.
Date of Reported: 1-25-08 Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	
Confidentiality Notice WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	Date of Drug Screen: OR Date of Birth
WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient.	Date of Reported: 1-20.08
ontents of this faxed information is strictly prohibited. If you have received this information in tror, please immediately notify sender by telephone to arrange for the return of the original ocuments.	WARNING: Unauthorized interception of this fax communication could be a violation of ederal and state law. The documents accompanying this fax transmission may contain information that is legally privileged. The information is intended only for use by the recipient. You are hereby notified that any disclosure, copying, distribution, or taking of any action on the ontents of this faxed information is strictly prohibited. If you have received this information in tror, please immediately notify sender by telephone to arrange for the return of the original



PATIENT INFORMATION MRN384963188024

Sec Id: (b) (6)

REPORT STATUS Final

ORDERING PHYSICIAN

Employer Solutions

TLIENT SERVICE 800.877.7484

SPECIMEN INFORMATION

RECEIVED:

SPECIMEN:

REQUISITION: 4396514

LAB REF NO: MRN384963188024

COLLECTED: 01/24/2008

REPORTED:

01/26/2008

01/25/2008 05:11 03:02

14:25

Reason: POST ACCIDENT

Primary Id: MRN384963188024 CLIENT INFORMATION

60068633

MEMORIAL HERMANN TMC

BILL BORAS / GERI PARSONS

6411 FANNIN ST

HOUSTON, TX 77030

Tests Ordered: 35190N (SAP 10-50/2000 W/NIT)

Integrity Checks

Acceptable Range

CREATININE

44.5 mg/dL

>/= 20 mg/dL

4.5-8.9

OXIDIZING ADULTERANTS рН

Negative 6.8

Substance Abuse Panel	Initial Test Level	•	GC/MS Confirm Test Level	
AMPHETAMINES	Negative	1000 ng/m	1L 500	ng/mL
BARBITURATES	Negative	300 ng/m	L 200	ng/mL
BENZODIAZEPINES	Negative	300 ng/π	L 200	ng/mL
COCAINE METABOLITES	Negative	300 ng/m	L 150	ng/mL
MARIJUANA METABOLITES	Negative	50 ng/m	L 15	ng/mL
METHADONE	Negative	300 ng/m	L 200	ng/mL
METHAQUALONE	Negative	300 ng/m	L 200	ng/mL
OPIATES	Negative	2000 ng/m	L 2000	ng/mL
PHENCYCLIDINE	Negative	25 ng/m	L 25	ng/mL
PROPOXYPHENE	Negative	300 ng/m	L 200	ng/mL

CERTIFYING SCIENTIST: James Lind

SPECIMEN RECEIVED AND PROCESSED IN THE LENEXA DHHS CERTIFIED LABORATORY.

LAB:

Quest Diagnostics-Lenexa

10101 Renner Blvd Lenexa KS 66219

>> END OF REPORT <<

(b) (6) Accident Report

On 01/24/08 (b) (6) was washing a tank in bay one around eleven am. The latter he was on broke and caused him to fall off it. He broke his wrist and had some injury to his left hip. He lost conscious and Hannah then advised supervisors to get some help.



Claim & Information Services
P.O. Box 12029
Austin, TX 78711-2029
1-800-859-5995 (512) 224-3800
Fax (512) 224-3889

Sample Bona Fide Offer of Employment

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

February 7, 2008

[EMPLFLNAME]
[EMPLADDRESS1]
[EMPLADDRESS2]
[EMPLCITY], [EMPLSTATE] [EMPLZIP]

Dear [EMPLFLNAME],

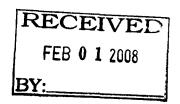
Company, Inc. would like to offer you a temporary, modified duty job assignment at our main assembly plant, located at 2121 Main Street in Austin, Texas. The schedule for this position is 8:00am to 5:00pm Monday through Friday, and the job pays \$12.50 per hour. The job duties meet the work restriction certified by Dr. Smith, whose work status report is attached.

The job is in the night vision fabrication department as a helmet fabricator. Your duties will involve sitting at your workstation, frequently lifting parts weighing two pounds from a box adjacent to your workstation, and gluing and assembling the helmets. Then as you complete each helmet (twice an hour), you will be required to lift it onto the conveyor belt beside you. Each completed helmet weighs 12 pounds. The job would not require you to stand or walk, since parts can be brought to your workstation.

While you are working in this modified-duty job assignment we will only assign tasks that are consistent with you physical abilities, knowledge, and skills. We will provide training if necessary.

Please contact me as soon as possible at [EMPRBSPHONE] if you are willing to accept this temporary, modified duty job assignment.

Sincerely,	
Fed Company, president	
[EMPRNAME]	
Enclosed: DWC73	
Accept	Date
Decline	Date



C E S ENVIRONMENTAL SERVICES I 4904 GRIGGS RD HOUSTON TX 77021-3208



01/29/2008

C E S ENVIRONMENTAL SERVICES I 4904 GRIGGS RD HOUSTON TX 77021-3208

Notification Confirming Receipt of Claim

Date of Injury:

01/24/2008

Injured Worker:

(b) (6)

Claim Number: Policy Number:

99J0000517921 0001086044

Attached is a copy of the information you reported to Texas Mutual Insurance Company which was used to establish this claim. You may submit additional claim information to Texas Mutual Insurance Company. If you have questions regarding this report of injury please contact us at (800) 859-5995.

If your policy includes our workers' compensation health care network option you are required by law to obtain a second Employee Acknowledgement of Workers' Compensation Network Form signed by the injured worker. Please submit a copy of the signed, second acknowledgement form to Texas Mutual Insurance Company. You can find a copy of the form online at www.texasmutual.com/hcn/hcn.shtm

Below please find information that will help you through the claim process:

To submit additional claim information:

To locate a treating doctor:

Mail to: P. O. Box 12029

www.texasmutual.com/workers/iwADL.shtm

Austin, Texas 78711-2029 Fax to: (512) 224-3889

To contact the handling adjuster:

Call: (800) 859-5995

Monday - Friday; 8:00 a.m. - 5:30 p.m.

To obtain a copy of the Employer and Employee Rights and Responsibilities in the

Workers' Compensation System:

www.texasmutual.com/employers/erRights.shtm

To locate a pharmacy, or for pharmacy questions, contact Scripnet:

Call: (888) 880-8562 www.scripnet.com

To obtain a copy of the Employer and Employee Rights and Responsibilities for the workers' comp health care network:

www.texasmutual.com/hcn/hcn.shtm

Additional Texas Mutual® online services at www.texasmutual.com, available 6 a.m. - 9 p.m., include:

- o Obtain logon id, or for immediate logon id, call (800) 859-5995, M-F, 8:00 a.m. 5:30 p.m.
- o Submit first report of injury in the Employers section
- o Submit wage statement when reviewing loss runs and claim details
- o Obtain specific claim summary information



99J0000517921 Claim Number:

Notification Date: 01/29/2008

EMPLOYER'S FIRST REPORT OF INJURY

INJURED EMPLOYEE

Name: SSN:

XXX-XX-Mailing

Address:

HOUSTON TX 77028

County: HARRIS

Physical Address:

County:

Home Phone:

Date of Birth: 09/06/1975 Marital Status: Married

Gender: Male

Language: English

MEDICAL PROVIDER

Dependents: 00

Fax:

Name: Tax ID:

Address:

Phone:

Ext:

ATTORNEY

Represented by Attorney:

Name: Phone:

Part of Body:

Fatality:

BUSINESS/EMPLOYER

Name: CESENVIRONMENTAL SERVICES I

Address:

4904 GRIGGS RD

HOUSTON TX 77021-3208

Phone: (713)676-1460 **Ext:** Fax: (713)676-1676

Policy Number: 0001086044

FEIN: 760592985

Location ID:

EMPLOYMENT

Occupation: **Hire Date:**

State: TX Partner/Officer/Owner: **Date Lost Time Began:** 01/25/2008 Return to Work Date: 00/00/0000

Last Paycheck was:

Wage: Frequency:

Hours/Week: Days/Week:

Period Start: 00/00/0000

Period End: 00/00/0000 Supervisor

Name: MARLIN MOSER

Phone: Ext:

PREPARER OF REPORT

Name: KARL A GUIDRY

Phone:

Phone: (713)676-1460 Ext:

Fax: (713)676-1676

Email:

INJURY INFORMATION

Date of Injury: 01/24/2008 Time: 11:30 **Address Where Injury Occurred:**

4904 GRIGGS RD **Date Reported:** 00/00/0000 **HOUSTON TX 77021** Nature of Injury: FRACTURE

County: HARRIS Witnesses: Cause of Injury: FALL/SLIP OR TRIP Name: INJURY-FROM LADR OR

Phone: **SCAFFOLDING** Name:

WRIST Phone:

Name:

How and Why the Injury/Illness Occurred

No

FRACTURED. WRIST. LADDER BROKE, EMPLOYEE FELL 9 FEET.



4904 Griggs Road Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676



Texas Mutual Karl Guidry To: From:

Mobile: (832) 287-0862

713-316-2191 Fax: Pages: Pages to follow

Marilyn Royer **February 4, 2008** Attn: Date:

Second Employee Acknowledgement of Workers Compensation Network related to (b) (6)

Karl Guidry

Employee Acknowledgment of Workers' Compensation Network

I have received information that tells me how to get health care under my employer's workers' compensation insurance.

If I am hurt on the job and live in a service area described in this information, Lunderstand that:

- 1. I must choose a treating doctor from the list of doctors in the network. Or, I may ask my HMO primary care physician to agree to serve as my treating doctor. If I select my HMO primary care physician as my treating doctor, I will call Texas Mutual at (800) 859-5995, extension 2880 to notify them of my choice.
- 2. I must go to my treating doctor for all health care for my injury. If I need a specialist, my treating doctor will refer me. If I need emergency care, I may go anywhere.
- 3. The insurance carrier will pay the treating doctor and other network providers.
- 4. I might have to pay the bill if I get health care from someone other than a network doctor without network approval.
- 5. Making a false or fraudulent workers' compensation claim is a crime that may result in

(6)		4-21-07
		4-21-07 Date
Printed Name		
(b) (6)		
Street Address		
Houston	State	77028 Zip Code
Name of Employer: CES ENVIRONME		
Name of Network: Texas Star Network _{SM}		
Network service areas are subject to Call (800) 381-8067 if you need a net		ider.
Please indicate whether this is the:		
Initial Employee Notification		
injury Notification (Date of Injury	y:	

DO NOT RETURN THIS FORM TO TEXAS MUTUAL INSURANCE COMPANY UNLESS REQUESTED

Employee Notice of Network Requirements - 03/06

Page 8 of 8

****** -IND. XMT JOURNAL- ********* DATE FEB-04-2008 **** TIME 14:52 *******

DATE/TIME = FEB-04-2008 14:51

JOURNAL No. = 075

COMM. RESULT = OK

PAGE(S) = 002

DURATION = 00:00:22

FILE No. = 848

MODE = MEMORY TRANSMISSION

DESTINATION = 7133162191

RECEIVED ID = / 7133162191

RESOLUTION = STD

-CES Environmental Service-

***** DP-3010 ************

_ ***** _

713 676 1676- *******



Claim & Information Services
P.O. Box 12029
Austin, TX 78711-2029
I-800-859-5995 (512) 224-3800
Fax (512) 224-3889

Checklist for Make a Bona Fide Offer of Employment

When the treating doctor releases one of your injured employees to return to work in any capacity, you should make a bona fide (valid) offer of employment to the employee. To be bona fide, the offer must meet requirements set by the Texas Department of Insurance, Division of Workers' Compensation, in rule 129.6. These requirements became effective 12-26-1999.

The Division established these requirements because making a bona fide offer of employment can affect a worker's income benefits. When deciding whether an offer is bona fide, the division considers the following:

- Was the offer made in writing with the DWC73 attached?
- What location will the employee be working at? Is it geographically accessible? (DWC considers a job geographically accessible depending on the affect that the employee's physical limitations have on the employee's ability to travel; the distance that the employee will have to travel; the availability of transportation and whether the offered work schedule is similar to the employee's prior work schedule.)
- What hours will the employee be working?
- What wages will the employee be paid?
- Is the job consistent with the doctor's certification of the employee's work abilities?
- Was there a statement that the employer will only assign tasks consistent with the
 employee's physical abilities, knowledge, and skills and will provide training if
 necessary.

We have provided a sample letter to help you make a bona fide offer. We can help if you have questions or need additional information. Follow this checklist when you write your own offer:

- Include a copy of the DWC73, Work Status Report.
- State the job title, the hourly or weekly wages, the hours of work, and where the employee will work.
- Describe the job duties.
- Describe the maximum physical requirements of the job.
- Include a statement that you will only assign tasks consistent with the employee's physical abilities, knowledge, and skills and will provide training if necessary.
- If the employee is more fluent in a language other than English, translate the letter into the appropriate language. We can help you with the translation.
- Deliver the offer during the time the employee is eligible for workers' compensation income benefits.
- Send the offer by certified mail, return receipt requested, and by regular mail.
- Send a copy of the letter and mail receipt to the handling Workers' Compensation Specialist.

If you have questions or need additional information, call the handling Workers' Compensation Specialist at 1-800-859-5995.



For Forms & Safety Info: See us on the web www.TexasMutual.com

TO:	Karl Guids
FAX:	7/ 676-1676 Not shough 7/3/748-8664
TEL:	713/748-100
FROM:	MICHELE Y. GATLIN, Workers Comp Specialist
Tel: Fax:	1-800-859-5995 x2120 or 713-316-2120 512-224-3889 or 713-316-2191
	Number of pages including cover sheet:
Comment	5: Bona fide offer
	(150 pls call me back on his w/s, 10) age state mout. On week 13 does this
	include his date of injury If so please
	Revise this week Not to include date of
	injury. Mandale
	nsurance Services 29, Austin, TX 78711



CLAIM#	
Carrier#	

Part I EMPLOYER INFORMATION		REPORT OF INJURY	(
Employer business name			2. Employer phon	ę #
3. Employer mailing address				
4. Insurance carrier name				
5. Does the employer have return to work If so, identify contact person a	, , , ,	based on the injured worker	r's current capabilit	es? yes no
6. Has the insurance carrier provided RTW	coordination services within t	ne past 12 months? yes 🗌	Date	no
7. Has the employer requested RTW training	ng from DWC or the insurance	carrier? yes		no
8. Has the insurance carrier provided accid	ent prevention services in the	past 12 months? yes	Date	no
Has the employer requested accident pro-	evention services from the ins	urance carrier? yes		no
Part II REASON FOR FILING THIS	REPORT (deadlines	vary, see instructions	s)	
a. The injured worker returned b. The injured worker is earning	more or less than the pre-inj	ury wage because of the inju	ıry: File within 10 d	•
c. The injured worker returned,		~	result of the injury:	File within 3 days.
d. The Injured worker resigned Part III INJURED WORKER INFO		yment: File within 10 days.		
11. Injured worker name	RIVIATION	12. SSN		13. DOI
14. Injured worker malling address and phor	na #			
 First day of lost time or reduced wages for this injury (mm/dd/yyyy) 		16. First day of additional or reduced wages (mr		
17. Has the injured worker experienced 8 da If yes, the date of the 8th day (mm/dd/yyy		reduced wages as a result (of the injury?	yes no
18. Date of most recent RTW	19. Has the injured worker	resigned, been terminated o	r.gled?	yes no
Full duty, full pay	date of resignation	date of lermination	di	ate of death
Limited duty, full pay	19a. Reason for resignation.	termination/		
Limited duty, reduced pay	19b, Was the injured worker	on limited duty when termin	nated?	yes no
20. Hours the injured worker was working du	iring the pay period of	21. Weekly/hourly earning	s for the pay perio	d of
to;	hours per week	to ; \$	weekly	or \$
Indicated hours are:		Indicated wages are:		
Increase from pre-injury		Increase fro	m pre-injury wage	
Same as pre-injury		Same a pre	-Injury wage	
Decrease from pre-injury			om pre-injury wage	
This form to be filed with: The employ	rer's insurance carrier and t	he injured worker in the tir	neframe as noted	in Part II.
22. To the best of my knowledge the inform	ation provided in this report is	accurate and may be relied	upon for evaluatio	n of eligibility for benefits.
Submitted by:	nployer Injured V	Jorker (If no longer working t	for the employer wi	nere injury occurred.)
signature and Title of person completing this fo	orm	Date		
	FA 1116 Divides (Et 116 1 FIR VE)			



DWC FORM-6 (Rev. 10/05) Page 1

DIVISION OF WORKERS' COMPENSATION

Employee - You are required to report your injury to your employer within 30 days if your employer has workers' compensation insurance. You have the right to free assistance from the Texas Department of Insurance, Division of Workers' Compensation and may be entitled to certain medical and income benefits. For further information call your local Division field office or 1(800)-252-7031.

REPORT OF MEDICAL EVALUATION



Empleado - Es necesario que reporte su lesión a su empleador dentro de 30 días a partir de la fecha en que se lesionó si es que su empleador cuenta con un seguro de compensación para trabajadores. Usted tiene derecho a recibir asistencia gratuíta por parte de la División de Compensación para Trabajadores, y también puede tener derecho a ciertos beneficios médicos y monetarios. Para mayor información comuníquese con la oficina local de la División al teléfono 1-800-252-7031.

CLAIM #: NA

PART I: GENERAL INFORMATION	Injured Employee's Name (Last, First, MI)	Certifying Doctor's Name and Licensure DAVID C RANDALL, MD
· · · · · · · · · · · · · · · · · · ·	Date of Injury 6. Social Security Number	10. Certifying Doctor's License Number and Jurisdiction J2269
TEXAS MUTUAL 2. Employer's Name CES ENVIRONMENTAL	Employee's Phone#	11. Certifying Doctor's Phone & Fax # (Ph) 713-453-6909 (Fax) 713-453-7627
3. Employer's Address 8.	Employee's Address	12. Certifying Doctor's Address
	(b) (b) (6) State Zip	12930 EAST FREEWAY City State Zip
1.	(h)	HOUSTON TX 77015
PART II: DOCTOR'S ROLE AND CERTIFIC	CATION	
13. Indicate which role you are serving in the authorized to evaluate MMI/impairment and file		y a doctor serving in one of the following roles is 0.1 governs such authorization):
☑ Treating Doctor ☐ Doctor Selected by Treating	Doctor acting in place of the Treating Doctor	Designated Doctor Selected by the Division
☐Carrier-Selected RME Doctor approved by the Dyou are not authorized by Rule 130.1 to file this rep		irment after a Designated Doctor examination. NOTE – If II/Impairment examination.
HEREBY CERTIFY THAT THIS REPOR- Compensation Act and applicable rules, and I und in fines and/or imprisonment. Signature of Cert	erstand that making a misrepresentation about	and accurate and complies with the Texas Workers' a workers' compensation claim is a crime that can result $5/15/08$
PART III: MEDICAL STATUS INFORMATIO	DN .	•
15. Date of Exam 16. Diagnosis 1) (ICD-9 Codes)	2)	3) 4)
05 / 09 / 2008	3 4 2	
17. Indicate whether the employee has reached Clinical Maximum Medical Improvement (Ci recovery from or lasting improvement to an inju	iinicai MMI) is the earliest date after which, base	ed upon reasonable medical probability, further material
, , , , , , , , , , , , , , , , , , ,	the 104th week after the date that temporary in	come benefits (TIBs) began to accrue; or (2) the date to
a) ☑ Yes, I certify that the employee reached ☐ date) and have included documentation relating to	STATUTORY / 🗹 CLINICAL (mark one) MMI	on 05 / 09 / 2008 (may not be a prospective OR
l '	ched MMI but is expected to reach MMI on or al	bout // The reason the employee
		nat the employee is no longer entitled to medical benefits.
PART IV: PERMANENT IMPAIRMENT		
18. If the employee has reached MMI, indicate v	whether the employee has permanent impairr	nent as a result of the compensable injury.
to be permanent. The finding that impairment e	xists must be made based upon objective clini , based upon competent objective medical ev	from a compensable injury and is reasonably presumed ical or laboratory findings meaning a medical finding of vidence that is independently confirmable by a doctor, byee.
a) 🔲 I certify that the employee does not have an	y permanent impairment as a result of the comp	ensable injury. OR
b) I certify that the employee has permanent which was determined in accordance with the req narrative provides documentation involved in the of Permanent Impairment published by the A fourth edition, 1st, 2 nd , 3 rd , or 4 th printing, including	uirements of the Texas Workers' Compensation calculation of the impairment rating assigned us American Medical Association (AMA):	n Act and Workers' Compensation Rules. The attached sing the following edition of the <u>Guides to the Evaluation</u> third edition, second printing, February 1989. OR
PART V: TREATING DOCTOR'S AGREEM	ENT OR DISAGREEMENT WITH ANOTH	IER DOCTOR'S CERTIFICATION
19. Treating Doctor's Name and Degree	22. □ I AGREE / □ I DISAGREE with the co	
20. Treating Doctor's License Number and Jurisdiction	23.	
21. Treating Doctor's Phone & Fax # (Ph) (Fax)	4 = =	ertifying doctor's finding of no impairment. OR npairment rating assigned by the certifying doctor.
24. I understand that making a misrepresentation a	about a workers' compensation claim is a crime	that can result in fines and/or imprisonment.
Signature of Treating Doctor		Date:
formation, call our Open Records section at 512-	804 -44 37.	nat DWC collects on its forms about you. For more
OTA: Usted tiene derecho por ley de saber, revis	ar y corregir información que la División ha r	recogido en sus formularios con algunas excepciones.
re mayor information la la sección de arch	nvo apierto. Open Records: al teletono 512-8	Date Stamp
MAY 1 9 2008		
%Ç FORM-69 (Rev. 10/05) Page		DIVISION OF WORKERS' COMPENSATION

EAST HOUSTON ORTHOPEDICS & SPORTS MEDICINE, PA

12930 East Freeway Houston, TX 77015 713-453-6909 Fax: 713-453-7627 3801 Vista Road Suite 450 Pasadena, TX 77504 713-941-1200 Fax: 713-941-0999 www.EastHoustonOrthopedics.com



Stacy C. Moseley Administrator

Bruce R. Weiner, M.D. David C. Randall, M.D. E. Brooke Roberts, M.D.

Board Certified Fellows American Academy of Orthopedic Surgeons

DWC-69 FINAL REPORT

TODAY'S DATE: 05/09/08

PATIENT: (b) (6) DOB: (b) (6)

PATIENT ID: 88716

has been determined to be at MMI. Per the guidelines established in the American Medical Association's "Guide to the Evaluation of Permanent Impairment" 4th ed, the patient has 4% whole person impairment. Please see the attached worksheet and my final report. Please contact me with any questions or concerns.

Respectfully yours,

David C. Randall, M.D.

Did Probell

EAST HOUSTON ORTHOPEDICS & SPORTS MEDICINE, PA

12930 East Freeway Houston, TX 77015 713-453-6909 Fax: 713-453-7627 3801 Vista Road Suite 450 Pasadena, TX 77504 713-941-1200 Fax: 713-941-0999 www.EastHoustonOrthopedics.com



Stacy C. Moseley Administrator

Bruce R. Weiner, M.D. David C. Randall, M.D. E. Brooke Roberts, M.D.

Board Certified Fellows American Academy of Orthopedic Surgeons

PHYSICAL THERAPY Impairment Rating

PATIENT NAME: PATIENT ID:

(b) (6) 88716

DOB:

DATE: 05/08/08

Diagnosis:

s/p ORIF left wrist

Left wrist ROM:

Flex 42° Impairment = 3% Ext 50° Impairment = 2% RD 18° Impairment = 0 UD 24° Impairment = 1%

Left elbow ROM:

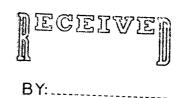
Flex 140° Ext 0° Pro 82° Sup 78°

Total upper extremity impairment = 6% Impairment of the whole person = 4%

Lanette Meeks MS, PT

Lanette L. Meeks, MS,PT





Claim and Insurance Services P.O. Box 12029 Austin, Texas 78711-2029

NOTIFICATION OF SUSPENSION OF INDEMNITY BENEFIT PAYMENT

DATE: 10/10/2008

TO: (b) (6

(b) (6) (b) (6)

RE: Date of Injury:

Date of Injury: 01/24/2008

Nature of Injury: MULTIPLE PHYSICAL INJURIES ONLY
Part of Body Injured: MULTIPLE BODY PARTS(INCL.BODY SYSTEMS & BDY PARTS

Part of Body Injured: MULT Employee SSN: (b) (6)

DWC #:

Carrier Name: Texas Mutual Insurance Company

Carrier Claim Number: 99J0000517921

Employer: C E S ENVIRONMENTAL SERVI

4904 GRIGGS RD

HOUSTON TX 77021-3208

We have suspended payment of Impairment Income Benefits effective 10/08/2008 because:

IIBS have been exhausted. You are only entitled to medical benefits.

You remain entitled to reasonable and necessary medical benefits related to this injury.

If you do not agree with the suspension of benefit payments, please contact me:

Adjuster's Name:

Toll Free Telephone #:

Fax #/E-mail Address:

LATONICA N. RAY
(800) 859-5995
(512) 224-3889

If we are unable to resolve the issue to your satisfaction, you may contact the Texas Department of Insurance, Division of Workers' Compensation for further assistance. You have the right to request a Benefit Review Conference. You can contact the Division office handling your claim at 1-800-252-7031.

If you would like to receive notices such as this by facsimile or e-mail, please contact me and provide your facsimile number or e-mail address.

Please note that making a false or fraudulent workers' compensation claim is a crime that may result in fines and/or imprisonment.

CC (b) (6) CESENVIRONMENTAL SERVI



CES ENVIRONMENTAL SERVICES, INC. AUTHORIZATIONS

Prepared by THE WCM GROUP, INC. Humble, Texas

PERMIT-BY-RULE AUTHORIZATION FOR RECYCLE DISTILLATION PROCESSING SYSTEM METHANOL AND MEK

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

January 2009

PERMIT-BY-RULE AUTHORIZATION FOR RECYCLE DISTILLATION PROCESSING SYSTEM METHANOL AND MEK

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PROCESS FLOW DIAGRAM

INTRODUCTION

CES Environmental Services, Inc. (CES) operates a tank container cleaning facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and subsequent Permit-By-Rule (PBR) Registration No. 75375. Additional process operations are authorized under PBR Registration Nos. 83798, 84713, 86772. Standard Permit No. 86272 was issued authorizing installation and operation of a thermal oxidizer for vapor control. CES is submitting the enclosed documentation to demonstrate PBR authorization for the operation of a recycling process to produce Methanol or Methyl Ethyl Ketone (MEK) from aqueous feed streams.

The feed streams consist of either a mixture of Methanol, non-volatile polymers and water or a mixture of MEK and water. The streams enter the facility in a truck tank and are pumped into the recycle distillation processing system. The process separates Methanol or MEK from the feed stream by distillation and recovery of the overhead vapor. The residual water remaining from the recycle distillation process is sent to the existing on-site wastewater treatment facility. Further details on these operations can be found in the Process Description section of this registration.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this project is approximately 1.2 tons per year (tpy) of VOC. As a result, the project does not trigger nonattainment netting.

A PI-7-CERT form, as well as TCEQ §106.4, and §106.261 Checklists, are provided in the Forms section of this report. Emission calculations are provided in Attachment A. A Site Location Map, Facility Plot Plan, and Process Flow Diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

A mixture of Methanol, non-volatile polymer solids (primarily Ethylene Vinyl Acetate-Ethylene Vinyl Alcohol Copolymer with small amounts of Ethylene Vinyl Acetate Polymer and Ethylene Vinyl Alcohol Polymer), and water enters the facility through tank truck or other transport vessel. Alternatively, a mixture of MEK and water is received from a tank truck or other transport vessel.

The Methanol mixture may be pumped through a filter to remove the solids if needed and then into the recycle distillation system for processing. When processing the MEK mixture, the feed stream is pumped directly into the recycle distillation system, as filtration is not required.

The recycle distillation system is heated to approximately 120° to 180° F to separate Methanol or MEK from the water. The Methanol or MEK vapor from the recycle distillation process passes through a condenser where it is cooled to approximately 70°F and condensed to liquid form. Emissions of any uncondensed vapor from the distillation system are routed to a diesel scrubber and then to activated carbon drums before being vented to the atmosphere. The condensed material is accumulated in the product tank trailer. The product trailer is also vented to the scrubber/carbon system.

The water remaining from the distillation process is then sent to the existing on-site wastewater treatment facility. The recovered water from the MEK process may be stored in Tanks OT-11 or OT-14 prior to transfer to the wastewater treatment facility. Tanks OT-11 and OT-14 maintain an elevated temperature of approximately 170° when storing the MEK process water. The tanks vent to the existing thermal oxidizer (EPN TO-01) authorized by Standard Permit No. 86272.

2.0 EMISSIONS SUMMARY

Emissions from the Methanol or MEK recovery operation are calculated based on several process steps. Exhaust exiting the carbon units is monitored daily to ensure VOC emitted to the atmosphere remains below 100 ppmv. This limit includes both Methanol and MEK vapors. The emission calculations for all emissions venting through controls are, therefore, conservatively calculated based on the volume displaced and a 100 ppmv concentration of VOC in the carbon bed exhaust. The carbon bed is replaced with fresh carbon when its exhaust concentration reaches 100 ppmv VOC.

Loading and unloading of material to and from the transport vessels is vapor balanced back to the trailer or tank. As a result, there are no emissions from transfer activities except from the disconnecting of transfer lines. Emissions from disconnecting of hoses are calculated assuming the vapor volume inside the hose is saturated with the last material to pass through the hose. It also assumes that all of the liquid residue in the line evaporates and this is calculated using the liquid clingage factor from AP-42 Chapter 7.

Wastewater from the MEK process may contain residual MEK. MEK emissions from storage of the wastewater in tanks OT-11 or OT-14 are calculated using methods specified in AP-42. The tanks vent to the thermal oxidizer (EPN TO-01).

Fugitive emissions from potential leaks at valves, pumps, and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". No credit is taken for fugitive inspections or monitoring.

The emission calculations for the scrubber/carbon system vent conservatively assume a 100 ppmv concentration for both Methanol and MEK for PBR compliance evaluation purposes. The emission total is based on both Methanol and MEK at full production rates. The total project increase is 1.2 tpy, which is well below the level requiring nonattainment or PSD review.

ATTACHMENT A EMISSION CALCULATIONS

PBR EVALUA ... JN SUMMARY

Total Emissions

Chemical	CAS	TLV	PBR	Liı	nit	Ac	tual	PBR Co	mpliance
Chemicai	CAS	1 L V	PBK	lb/hr	tpy	lb/hr	tpy	lb/hr	TPY
Ethylene Vinyl Acetate	24937-78-8	10	N/A	N/A	N/A	0	0	YES	YES
Ethylene Vinyl Alcohol		10	N/A	N/A	N/A	0	0	YES	YES
Ethylene Vinyl Acetate- Ethylene Vinyl Alcohol Copolymer	26221-27-2	10	N/A	N/A	N/A	0	0	YES	YES
Water	7732-18-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methanol	67-56-1	262	106.261	1.0	4.38	0.283	1.175	YES	YES
Methyl Ethyl Ketone (MEK)	78-93-3	560	106.261	1.0	4.38	0.919	1.198	YES	YES
Diesel	68334-30-5	N/A	106.261	6.0	10.0	0.048	0.003	YES	YES
Total VOC	N/A	N/A	N/A	N/A	25	0.981	1.202	N/A	N/A

Diesel is evaluated as a refinery petroleum faction containing < 10% benzene [106.261(a)(2)]

Notes:

For evaluation purposes, it is conservatively assumed that all process steps can occur in the same hour.

The TLV for Inhalable Particulate Not Otherwise Classified is used for all solid materials.

Total VOC is the sum of emissions for each VOC except that fugitives are counted only once since they were conservatively estimated for each chemical at 8760 hrs of service.

Tank Identification			OT-11 or OT-14
EPN			TO-01
Material Stored			Separated W\
Tank Capacity	Vol., gallons		1€,800
Throughput	gallons		260,000
Tank Controlled	Yes/No		Ye
Control Efficiency	e, %		95.00
Shell Height	Hs, ft		20.0
Shell Length	Ls, ft		12.0
Orientation	Vert=1/Horiz	:=2	1
Fili Rate	gallons/hr		5.000
Molecular Weight, lb/lb-mole			27 162
Vapor Pressure @ Tln, psia	625	R	6.87585
Vapor Pressure @ Tla. psia	630	R	7.64937
Vapor Pressure @ Tlx. psia	635	R	8.48759
Max Vapor Pressure @ Tix. psia	635	R	8.48759
ESTIMATED EMISSIONS			
Maximum Hourly Losses	Lm, Ib/hr		27.445
Standing Losses	Ls, lb/yr		718.51
Working Losses	Lw, lb/yr		1,286.20
Uncontrolled Total Losses	Lt, lb/yr		2,004.71
	Lt, ton/yr		1.0024
Controlled Total Losses	Lmc, lb/hr		1.3723
	Ltc, ton/yr		0.0501
PHYSICAL PARAMETER CALCL			
Diameter, D Effective diamete			12.0
Avg. Liquid Height	HI, ft		10.0
Max. Liquid Height	HIx, ft		19.9
Cone Roof Outage	Hro, ft		0.125
Vapor Space Outage	Hvo, ft		10.125
Vapor space volume	Vv, ft^3		1144.53
Breather vent pressure setting	Pbp, psig		0.03
Breather vent vacuum setting	Pbv, psig		-0.03
Gas Constant	R, psia-ft^3/l	b mole-R	10.732
Vapor Density	Wv, lb/ft^3		0.0307
Daily vapor pressure range	^Pv, psia		1.6117
Vapor space expansion factor	Ke		0.286
Vented vapor saturation factor	Ks		0.196
Working Loss Product Factor	Kp		1.00
Net Annual Throughput	Q, bbl/yr		6,190.5
Turnovers	N		15.5
Turnover factor	Kn		1.00

 $\begin{array}{lll} \textbf{MAX. HRLY LOSSES:} & \text{Lm} = & (\text{Lwmax x FR}) \, / \, (\text{N x Vol}) \\ \textbf{STANDING LOSSES:} & \text{Ls} = & 365 \, \text{x Vv x Wv x Ke x Ks} \\ \end{array}$

WORKING LOSSES: Lw = 0.0010 x Mv x Pva x Q x Kn. x Kp Lwmax = 0.0010 x Mv x Pvx x Q x Kn. x Kp

UNCONTROLLED

TOTAL HOURLY LOSSES: Lt. = (Ls + Lw) TOTAL ANNUAL LOSSES: Lt. = (Ls + Lw) / 2000 lb/ton

TOTAL HOURLY LOSSES:

Lt. = (Ls + Lw) x (1-e/100) Lt. = (Ls + Lw) / 2000 lb/ton x (1-e/100) TOTAL ANNUAL LOSSES:

METEROLOGICAL CALCULATIONS:

Data Location	Houston, TX	ANNUAL	MAX HRLY
Daily avg. liquid surface temp, R	Tla	630.00	630.00
Daily avg. ambient temp, R	Taa	528.25	543.05
Liquid bulk temp, R	Tb	531.33	546.13
Daily solar insulation factor, Btu/ft^2 day	1	1351	1898
Atmospheric pressure, psia	Pa	14.7	14.7
Daily max. ambient temp, R	Tax	539.1	553.6
Daily min. ambient temp, R	Tan	517.4	532.5
Daily vapor temp. range, R	^Tv	41.35	51.33
Daily max. liquid surface temp., R	Tlx	635.00	635.00
Daily min. liquid surface temp., R	TIn	625.00	625.00
Solor absorbance factor	а	0.68	0.68

Tia, Tin, Tix values based on temperature control

	vapor wt	Emissions		
Component	frac.	lb/hr	TPY	
Water	0.551	0.7562	0.0276	
MEK	0.449	0.6160	0.0225	
Total	1.000	1.372	0.050	

5330022.calc.xls

CES Environmental Services

Displacement Calculations

Emissions are routed through carbon adsorption beds with a maximum exhaust concentration of 100 ppmv VOC

PV = nRTn = PV/RTn(VOC) = n * C/1,000,000lb = n*MW = MW(PV/RT)

MW = 32.04 lb/lbmole Methanol MW = 72.11 lb/lbmole MEK MW = 130 lb/lbmole Diesel P = 14.7 psia

V= changes with each transfer R≃

10.73 (psi*ft3)/(lbmole*R) 80 F = T = 540 R

C= 100 ppmv VOC

Emissions from unloading into distillation tank.

The Methanol or MEK mixture is pumped from the incoming tank truck trailer into the recycle distillation tank.

V (hourly) = gal/hr = 668.45 ft3/hr 5000 V (annual) = 520,000 gal/yr = 69518.72 ft3/yr

moles/hr moles/yr n= 1.70 176.37 n(VOC) =1.70E-04 1.76E-02

Emissions					
Chemical	lb/hr	tpy			
Methanol	0.00543	0.00028			
MEK	0.01223	0.00064			
Diesel	0.02205	0.00115			

Emissions from distillation tank.

The distillation tank is heated to remove the Methanol or MEK from the water. The overhead vapors are cooled to 80F.

Flow rate is conservatively based on maximum vapor displacement.

V (hourly) = 5000 gal/hr = 668.45 ft3/hr V (annual) = 520,000 69518.72 ft3/yr gal/yr =

moles/hr moles VOC/hr 1.70 n = 176.37 n(VOC) =1.70E-04 1.76E-02

Emissions		
Chemical	lb/hr	tpy
Methanol	0.0054	0.0003
MEK	0.0122	0.0006
Diesel	0.0220	0.0011

Emissions from transfer of recovered material to tank truck (loading)

Methanol or MEK recovered from the distillation process is routed into the product truck tank.

V (hourly) = 800 gal/hr = 106.95 ft3/hr V (annual) = 260,000 34759.36 ft3/yr gal/yr =

moles/hr moles/yr 88.19 0.27 n(VOC) =2.71E-05 8.82E-03

Emissions		
Chemical	lb/hr	tpy
Methanol	0.0009	0.0001
MEK	0.0020	0.0003
Diesel	0.0035	0.0006

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CES Environmental Services Hose Clearing/Disconnecting Emissions

Hose Length:

30 feet

Hose Diameter:

3 inch = 0.25

Hose Volume: Events Per Year:

0.0491 ft3

104

Product Loading Hoses:

The liquid hose between the distillation tank and the product tank trailer is blown with air into the tank trailer.

The displaced vapors are included in the loading emissions. The hose is then disconnected.

The remaining saturated vapor volume in the hose is released to the atmosphere.

$$1b = MW*n = MW(PV/RT)$$

$$Vna = 2.6412$$

2.6412 psia

Material	lb/hr	tpy
Methanol	7.17E-04	3.73E-05
MEK	0.00E+00	0.00E+00

Distillation Tank Transfer Hose:

The same calculation can also represent the disconnecting the hose from the inbound truck to the distillation tank. It is assumed the vapor reminaing in the hose is staurated.

$$lb = MW^*n = MW(PV/RT)$$

	Liquid		Mole			Emissions	
MATERIAL	Composition (%)	MW (lb/lb-mole)	Fraction	Temperature (F)	VPa (psia)	(lb/hr)	(tpy)
Methanol	100.00	32.0	3.0169	80	7.968	2.16E-03	1.12E-04
MEK	100.00	72.1	6.7900	80	13.429	8.20E-03	4.26E-04

The non-volatile solids are excluded from the composition to conservatively calculate and evaluate the methanol emissions.

CES Environmental Services Fugitive Emissions

Distillation Tank

Component			Emission	Operating	Emissions	
Type	Service	Quantity	Factor	Schedule	lb/hr	tpy
Valves	Light Liquid	20	0.0035	8760	0.0700	0.3066
Valves	Gas/Vapor	6	0.0089	8760	0.0534	0.2339
Flanges	Light Liquid	42	0.0005	8760	0.0210	0.0920
Flanges	Gas/Vapor	16	0.0029	8760	0.0464	0.2032
Pumps	Light Liquid	2	0.0386	8760	0.0772	0.3381
ote: no control	control efficiency taken.				0.2680	1.1738

Speciation		Emissions		
Material	Wt %	lb/hr	tpy	
Methanol	100	0.2680	1.1738	
MEK	100	0.2680	1.1738	
VOC Max		0.2680	1.1738	

Emissions for Methanol and MEK conservatively assume 8760 hours of service each, at 100% concentration. This is conserative because both process streams do not occupy the same equipment at the same time.

FORMS



I. REGISTRANT INFORMATIO	N					
A. TCEQ Customer Reference Number:	CN-600618946	T	CEQ Regu	lated Entity Number	: RN-10	00693282
Note: If "NO," CN or RN number was end Step II of the submittal process.	tered above; please f	fill out t	the required	d Core Data Form,	which will	be available in
B. Company or Other Legal Customer Na	ame: CES Environme	ental Se	ervices, Inc	•		
Company Official Contact Name: Matt Bo	wman	Ti	itle: Presid	ent		
Mailing Address: 4904 Griggs Road						
City: Houston		St	tate: Texas		Zip Code:	:77021
Phone No.: 713-676-1460	Fax No.: 713-676-1	1676		E-mail Address: m	bowman@	cesenviormental.com
C. Technical Contact Name: Philip Evans	s			Title: Director, Tea	hnical Ser	rvices
Company: The WCM Group, Inc.						
Mailing Address: P.O. Box 3247						
City: Humble		St	tate: Texas		77347	
Phone No.: 281-446-7070 Fax No.: 281-446-334				E-mail Address: pevans@wcmgroup.com		
D. Facility Location Information - Street	Address: 4904 Grigg	gs Road	i			
If "NO," street address, provide written di	riving directions to th	he site:	(attach des	scription if addition	al space is	needed)
City: Houston		Count	ty: Harris		Zip Code:	: 77021
II. FACILITY AND SITE INFOR	MATION					
A. Name and Type of Facility: CES Envi	ronmental Services,	Inc.			⊠ Pe	rmanent Portable
B. PBR claimed under 30 TAC § 106 (L	ist all):					
§ 106. 261	§ 1	§ 106.				
§ 106.						
§ 106.						
Are you claiming a historical standard ex	cemption or PBR?					☐ YES ⊠ NO
If "YES," enter effective date and Rule Nu	mber:					

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

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II. FACILITY AND SITE INFORMATION (continued)							
	C. Is there a previous Standard Exemption or PBR for the facility in this registration? (Attach details regarding changes.)						
If "YES," enter Registration Num	ber and Rule Number:				·		
D. Are there any other facilities	at this site which are authorize	ed by an Air Standard Exe	emption	or PBR?	✓ YES NO		
If "YES," enter Registration Num	ber and Rule Number:	75375, 83798, 84713, 867	772 2	261, 262, 472	, 532		
E. Are there any other air prece	onstruction permits at this site	?			☐ YES 🖾 NO		
If "YES," enter Permit Numbers:	X-15980	86272					
Are there any other air preconstru	ction permits at this site that wo	ould be directly associated w	vith this p	project?	☐ YES 🖾 NO		
If "YES," enter Permit Numbers:	86272						
F. Is this facility located at a site pursuant to 30 TAC Chapter		ederal operating permit	YE	s⊠no□	To be determined		
If the site currently has an existing	g federal operating permit, ente	r the permit number:					
dentify the requirements of 30 TA	AC Chapter 122 that will be trig	gered if this certification is	accepted				
☐ Initial Application for an FOP	Significant Revi	sion for an SOP	Minor R	Revision for a	n SOP		
Operational Flexibility/off Per	mit Notification for an SOP	Revision for GOP	☐ To be	Determined	None None		
Identify the type(s) issued and/or	FOP application(s) submitted/p	ending for the site. (Check of	all that a	pply)			
□ SOP □ GOP	GOP application/rev	vision application: Submitte	ed or und	ler APD revie	W.		
SOP application/revision appli	ication: submitted or under AP	D review.	N/A				
G. TCEQ Account Identification	Number (if known):	HG 1270 B					
III. FEE INFORMATION							
To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceg.state.tx.us/epay to pay online.							
A. Is this registration an update t solely to establish a federally		y and accompanied by a Cer	rtification	n Form	☐ YES ⊠ NO		
B. What is the fee amount?							

TCEQ 20182 (Revised 05/08) Form Pl-7 CERT
This form for use by facilities subject to air quality permits requirements and
may be revised periodically. (APDG 5379 v6)



						
III. FEE INFORMATION (continued)						
If "YES," to any of the following three questions, a \$100 fee is require. Otherwise, a \$45	0 fee is required.					
Does this business have less than 100 employees?		☐ YES 🖾 NO				
Does this business have less than 6 million dollars in annual gross receipts?		☐ YES 🖾 NO				
Is this registration submitted by a governmental entity with a population of less than 10,000	0?	☐ YES 🛛 NO				
C. Check/Money Order or Transaction Number (Payable to TCEQ): ☐ YES ☒ NO	Was fee Paid online?	☐ YES 🛛 NO				
Company name of check: The WCM Group Inc.	Fee amount:	\$ 450				
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATIO	N					
Note: If claiming one of the following PBRs, complete this section, then skip to Section VI., "Submitting your registration" below: Animal Feeding Operations § 106.161, Livestock Auction Facilities § 106.162, Saw Mills § 106.223, Grain Handling, Storage and Drying § 106.283, Auto Body Refinishing Facilities §106.436, and Air Curtain Incinerator § 106.496						
A. Is the applicable PBR checklist attached which shows the facility meets all general and the PBR(s) being claimed? (If submitting electronically, click "YES.")	specific requirements of	☐ YES ☐ NO				
. Distance from this facility's emission release point to the nearest property line:		feet				
Distance from this facility's emission release point to the nearest off-property structure:						
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REC Registrants must be in compliance with all applicable state and federal regulations.	_					
A. Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES 🖾 NO				
B. Is a process flow diagram or a process description attached?		⊠ YES □ NO				
C. Are emissions data and calculations for this claim attached?		☑ YES ☐ NO				
D. Is information attached showing how the general requirements (30 TAC § 106.4) of the PBR is met for this Registration? (PBR checklists may be used, but are optional)						
Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under 30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities must possess NO_x allowances equivalent to the actual NO_x emissions from these facilities.						
E. Is information attached showing how the specific PBR requirements are met for this representation (<i>PBR checklist may be used, but are optional</i>)	egistration?	⊠ YES □ NO				
F. Distance from this facility's emission release point to the nearest property line:		100 feet				
Distance from this facility's emission release point to the nearest off-property structure:		125 feet				
Note: In limited cases, a map or drawing of the site and surrounding land use may be request of the TCEQ Regional Office or local air pollution control program during an inv		cal review or at the				

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

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VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE:	DATE:
(ORIGINAL SIGNATURE REQUIRED)	

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

2 To cossing actually occur in copies are not sent as notice.						
Who	Where	What				
ir Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments				
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form				
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.				
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.				

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

Company Name: CES Environmental Services, Inc.	
Checklist completed by: The WCM Group, Inc.	Date:
Facility Type: Product recovery	
Permit(s) by rule claimed: 30 TAC Chapter §106: 261	
Project Description (including equipment, materials, and brief process description):	

A recovery distillation processing system will produce Methanol or MEK from organic polymer water mixtures.

СО	0.00	NO _X	0.00	VOC	1.20	
PM	0.00	SO ₂	0.00	Other	0.00	

The following questions require a "Yes" or "No" answer to be indicated for this permit by rule claim:

A. Title 30 TAC § 106.4(a)(5): Current Permit by Rule Requirements

Yes X No Have you checked to determine if this exempt project is being claimed under the current version of 30 TAC 106? If "Yes", continue to next question If "No", please contact the Air Permits Division for a copy of the current permit by rule to be claimed.

B. Title 30 TAC § 106.4(a)(7): Permit by rule prohibition check

Yes \square No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule?

If "No ", continue to next question

If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit.

A new permit or permit amendment may be required.

List permit number(s):

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of§l 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

- A. dividing a complete project into separate segments to circumvent \$106.4(a)(l) limits:
- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes \square No X Does your project meet any of the criteria listed above?

If "No", continue to next rule question If "Yes", a permit y rule may not be claimed.

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No□ The maximum emissions from <u>all</u> facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard $30\ TAC\ \S\ 106.4\ Applicability\ Checklist$.

TCEQ 10150] [Revised 10/04] 106-4qckl - Permits by Rule "Quick Check" Applicability 106.4q Checklist This form is for use by sources subject to air quality permit requirements and may be revised periodically. [APDG S001v3]



Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here Hard-Copy Submittal - Print and complete the following checklist.	if submitting electronically.
The following checklist is designed to help you confirm that you meet Title 30 Texas	s Administrative Code § 106.261 (30 TAC § 106.261
requirements. If you do not meet all the requirements, you may alter the project design	gn or operation in such a way that all the requirement

requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

CI	HECK THE MOST	APPROPRIATE ANSWER					
	Is a description or che 30 TAC § 106.4 attack	ecklist of how this claim meets the gene ched?	eral requirements for the use of PB	Rs in	X YES □ NO □N/A		
b1	Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project □ YES X NO □N/A						
b2	2 Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard permit? If "YES," this PBR cannot be used to authorize emissions from the project						
al	Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located?						
<u>؛</u> ــــــــــــــــــــــــــــــــــــ		eased emissions, including fugitives, le er year of the following materials (chec		hour	□ YES X NO □ N/A		
000000000000000000000000000000000000000	acetylene argon butane crude oil carbon monoxide cyclohexane cyclohexene cyclopentan ethyl acetate ethanol ethyl ether ethylene refinery petroleum frac	helium isohexane isopropyl alcohol methyl acetylene methyl chloroform methyl cyclohexane neon nonan oxides of nitrogen propane propyl alcohol propylene ctions (except for pyrolysis naphthas and	propyl ether sulfur dioxide alumina calcium carbonate calcium silicate cellulose fiber cement dust emery dust glycerin mist gypsum iron oxide dust kaolin		limestone magnesite marble pentaerythritol plaster of paris silicon silicon carbide starch sucrose zinc stearate zinc oxide ten volume percent benzene		
a3							
	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical YES NO XN/A not listed or referenced in Table 262? List chemical:						

TCEQ - 10121 [Revised 10/04] PBR Checklist for Facilities (Emission Limitations) This form for use by facilities subject to air quality permit requirements and may be revised periodically. [APDG 5018v4]

t equipment?	□ vec '	-			
	- ILS 2	X NO	□N/A		
ne atmosphere from any ute period?	□ YES 2	X NO	□N/A		
Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.					
fying specific chemical	X YES	□ NO	□N/A		
1	st must be attached to a ifying specific chemical . (pick one): es. The notification shall fic chemical names, limit to by rule in the previous	ifying specific chemical . (pick one): es. The notification shall fic chemical names, limit	ifying specific chemical . (pick one): es. The notification shall fic chemical names, limit		

FIGURE 1 SITE LOCATION MAP

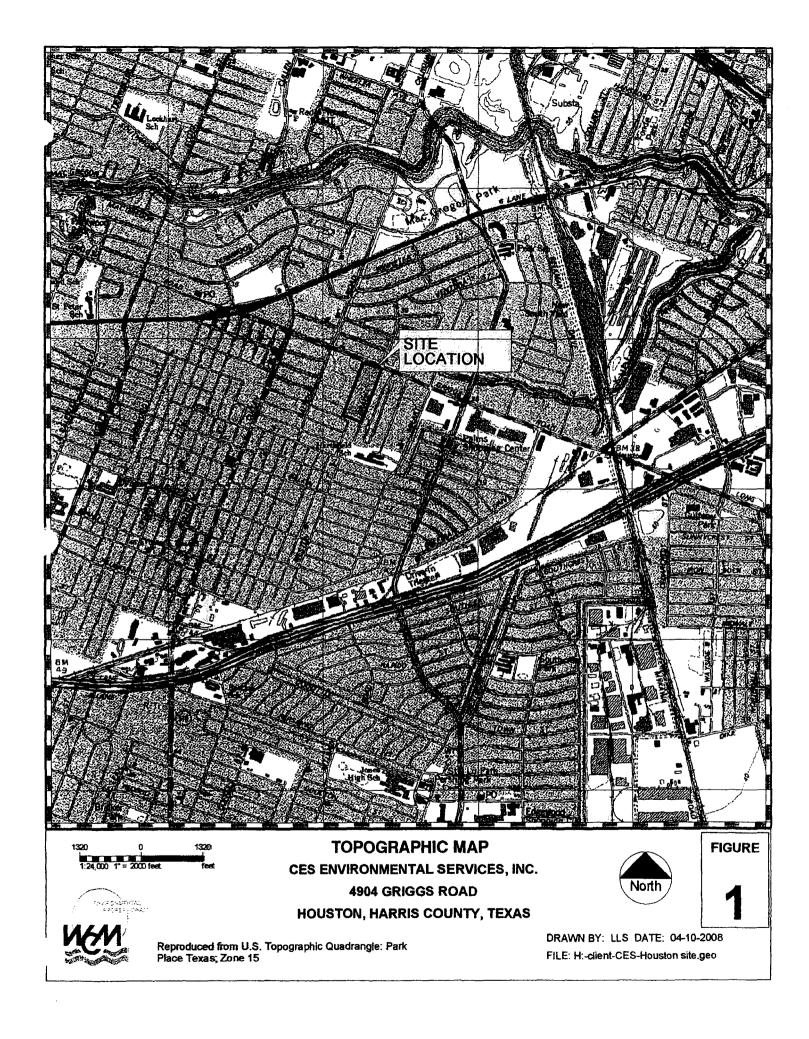


FIGURE 2 FACILITY PLOT PLAN

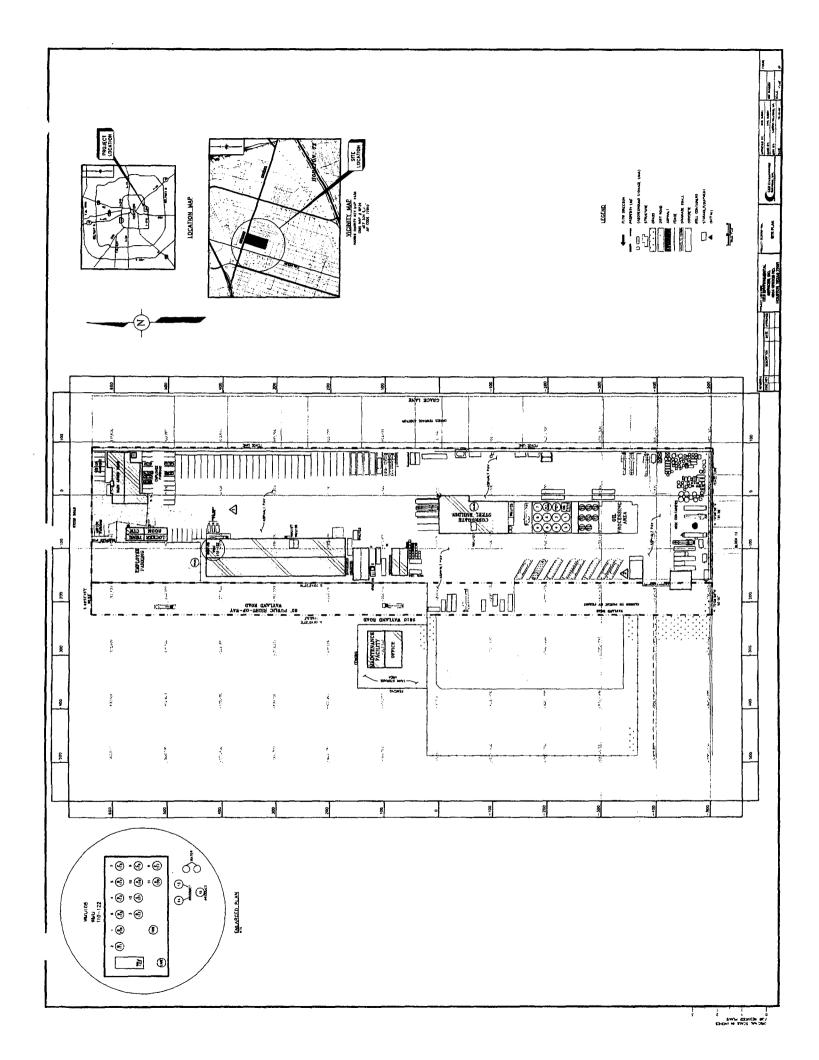
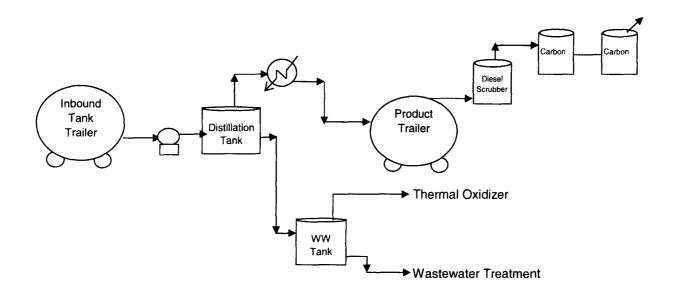


FIGURE 3 PROCESS FLOW DIAGRAM

CES ENVIRONMENTAL SERVICES, INC METHANOL OR MEK RECOVERY PROCESS



Kathleen Hartnett White, Chairman R. B. "Ralph" Marquez, Commissioner Larry R. Soward, Cornmissioner Glenn Shankle, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 28, 2005

Mr. Marlin Moser Business Mariager CES Environmental Services, Inc. 4904 Griggs Road Houston, Texas 77021-3208

Re: Permits by Rule Registration Number: 75375

Tank Container Cleaning Facility

Houston, Harris County

Regulated Entity Number: RN100693282 Customer Reference Number: CN600618946

Dear Mr. Moser:

This is in response to your Form PI-7, entitled "Registration for Permits by Rule," concerning the addition of chemicals emitted from your tank cleaning operation located at 4904 Griggs Road in Houston, Harris County. We understand that this Permit by Rule claim is intended to authorize the addition of new chemicals to the list of chemicals previously approved for cleaning under Registration Number 15980. This claim does not represent an increase in volatile organic compound emissions over current allowable rates.

After evaluation of the information which you have furnished, we have determined that your modification is authorized under Title 30 Texas Administrative Code §§ 106.261 and 106.262 (30 TAC §§ 106.261 and 106.262) if constructed and operated as described in your registration request. These permits by rule were authorized by the Executive Director of the Texas Commission on Environmental Quality (TCEQ) pursuant to 30 TAC Chapter 106.

Copies of the permits by rule in effect at the time of this registration are enclosed. You must construct, install, or modify facilities in accordance with the version of the permits by rule in effect when construction, installation, or modification actually begins [see 30 TAC § 106.4(a)(5)]. After completion of construction, installation, or modification, the facility shall be operated in compliance with all the applicable conditions of the claimed permits by rule, and 30 TAC § 106.4.

You are reminded that regardless of whether a permit is required, these facilities must be in compliance with all rules and regulations of the TCEQ and of the U.S. Environmental Protection Agency at all times.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000 • Internet address: www.tceq.state.tx.us

Mr. Marlin Moser Page 2 April 28, 2005

Re: Permits by Rule Registration Number: 75375

Please reference the regulated entity number (RN), customer reference number (CN), and permit number noted in this document in all your future correspondence for the referenced facility or site. The RN replaces the former TCEQ account number for the facility (if portable) or site (if permanent). The CN is a unique number assigned to the company or corporation and applies to all facilities and sites owned or operated by this company or corporation.

Your cooperation in this matter is appreciated. If you have any questions concerning these permits by rule, please contact Mr. Dario Hearns at (713) 767-3740 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Anne M. Inman, Manager

General/Standard/Rule (GSR) Permit Section

Air Permits Division

Texas Commission on Environmental Quality

AMI/DJH/alb

Enclosures

cc: Mr. Philip B. Evans, Director - Technical Services, The WCM Group, Inc., Humble Mr. Arturo Blanco, Bureau Chief, Bureau of Air Quality Control, Health and Human Services

Department, City of Houston, Houston

Mr. Rob Barrett, Director, Harris County Public Health and Environmental Services, Pollution Control Department, Pasadena

Air Section Managers, Region 12 - Houston

Project Number: 114405

Robert J. Huston, Chairman R. B. "Ralph" Marquez, Commissioner Kathleen Hartnett White, Commissioner Margaret Hoffman, Executive Director

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 11, 2002

Mr. Sean Easton
Vice President
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, Texas 78711

Re:

Change of Ownership for Air Quality Permits

Dear Mr. Easton:

Thank you for the letter dated July 17, 2002, notifying us of the change of ownership. Your letter states that CES Environmental Services, Inc. is now the owner of the facility listed below. Our permit records have been updated to reflect the change of ownership.

Account No.	County	Previous Permittee/Registrant	Permit No.
HG-1270-B	Harris	Suttles Truck Leasing	15980

We understand that there will be no change in the type of pollutants emitted and no increase in the quantity of emissions. As the new owner of these facilities, you have committed to maintain compliance with all air quality regulations of the Texas Commission on Environmental Quality and the requirements of these permit at all times.

Page 2

October 11, 2002

Re: Change of Ownership for Air Quality Permits

Thank you for informing us of this ownership change. If you have any questions regarding this letter, please contact Kimberly Sladek at (512) 239-1588. You may also contact me or any other team member at (512) 239-5160.

Sincerely,

Janet Wyman, Team Leader

Air and Waste Applications Team

Permits Administration Review Section (MC-161)

Registration, Review and Reporting Division

JW/ks

ec:

Ms. Stephanie Winn, Industrial Emissions Assessment Section (MC-164), Austin Mr. Mark Chambers, Industrial Emissions Assessment Section (MC-164), Austin TCEQ, Regional Air Program Manager, Region 12

TNRCC File Room MC-198



November 17, 2008

Mr. Don Dale Nelon Air Permits Initial Review Team (APIRT), MC161 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Building F, Room 1206 12100 Park 35 Circle Austin, TX 78753

LONE STAR AIRBILL NUMBER 41915489

Reference:

CES Environmental Services, Inc.

Houston, Harris County, Texas

Registration of Permit-By-Rule §106.261, §106.262

PBR Registration 83191

CN600618946; RN100693282

Dear Mr. Nelon:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation authorizing the revised operation of a recycling process to produce Methylene Chloride. The process qualifies for authorization under Permit-By-Rule (PBR) §106.261 and §106.262. The prior PBR Registration No. 83191 is replaced with this submittal.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/nb 27264:5330019.let.doc

Enclosure

cc: M. Bowman

L. Vasse

B. Allen -City of Houston

Vendor: TCEQ

.iv No STATEMENT

Inv Date 11/15/2008 Inv Amt 450.00

Discount Take 0.00

N

Pay Amt 450.00

Check Date 11/17/2008

Check Amount

450.00

29534



The WCM Group, Inc. OPERATING ACCOUNT P.O. BOX 3247, HUMBLE, TX 77347-3247 (281) 446-7070

COMERICA BANK-TEXAS HOUSTON, TEXAS 32-75-1110

12 FOUR HUNDRED FIFTY AND NO/100

tothe

TCEQ

P.O. BOX 13087

AUSTIN, TX 78711-3087

Take

Ν

10295341

THE WCM GROUP, INC.

29534

Vendor: TCEQ

Inv No STATEMENT

Inv Date 11/15/2008 Inv Amt 450.00 Discount 0.00 Pay Amt 450.00

Check Date 11/17/2008

Check Amount

450.00

DELUXE BUSINESS FORMS 1+800-328-0304 www.deluxeforms.com

PERMIT-BY-RULE AUTHORIZATION FOR HANDLING OF METHYLENE CHLORIDE REVISIONS TO REGISTRATION 83191

Prepared for CES ENVIRONMENTAL SERVICES INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

Revised October 2008

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TCEQ §106.4 CHECKLIST

TCEQ §106.261 CHECKLIST

TCEQ §106.262 CHECKLIST

FIGURES

1 - AREA MAP

2 - FACILITY PLOT PLAN

3 - PROCESS FLOW DIAGRAM

INTRODUCTION

CES Environmental Services Inc. (CES) operates a tank container cleaning facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and subsequent Permit-By-Rule (PBR) Registration No. 75375.

CES is submitting the enclosed documentation to demonstrate PBR authorization for the operation of a Methylene Chloride (MeCl2) recovery process at the site. The recovery process was previously authorized for a two-step process and is being modified for a one step process. In the revised process, the Methylene Chloride mixture is sent directly to the distillation system where the organics are removed and accumulated in the product tank trailer. The wastewater is drained from the distillation tank after each batch. Details on these operations can be found in the Process Description section of this application and in the attached calculations.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this process revision is 0.57 tons per year of VOC. As a result, the project does not trigger nonattainment netting.

A PI-7 CERT Form as well as TCEQ §106.4, §106.261, and §106.262 Checklists are provided in the Forms section of this report. Emission calculations are provided in Attachment A. A Site Location Map, Aerial Photograph, Facility Plot Plan, and Process Flow Diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

The Methylene Chloride recovery process will now occur in a single process step. This revised process replaces the two-step process previously authorized under PBR Registration No. 83191. In addition, the revised process will accommodate a methylene chloride feed stream that may contain some methyl alcohol (methanol).

The incoming tank trailer containing methylene chloride, methanol and water is located near the existing distillation tank for processing. The organic mixture is pumped from the tank trailer into a 10,000-gallon distillation tank. The distillation tank is then heated to approximately 120 F to remove the organics from the mixture. The vapor phase from the distillation process containing organics and any evaporated water passes through a condenser where it is cooled to approximately 70 F. The condensed liquid flows directly into the product tank trailer. Emissions of any uncondensed vapor from the distillation tank are routed to a diesel scrubber and then to activated carbon drums before being vented to the atmosphere. The product trailer is also vented to the scrubber system. The water remaining in the distillation tank is tested to ensure removal of the organics and then sent to water treatment.

2.0 EMISSIONS SUMMARY

Emissions from the Methylene Chloride recovery operation are calculated based on several process steps. Exhaust exiting the carbon units is monitored daily to ensure VOC emitted to the atmosphere remains below 100 ppmv. This includes both MeCl2 and any evaporated diesel from the diesel scrubber. The emission calculations for all emissions venting through controls are therefore conservatively calculated based on the volume displaced and a 100 ppmv concentration of VOC in the carbon bed exhaust. The carbon beds are replaced with fresh carbon when their exhaust concentrations reach 100 ppmv VOC.

Emissions from disconnecting of hoses are calculated assuming the vapor volume inside the hose is saturated with the last material to pass through the hose. The exception to this method is the hose from the interface vessel pump to the product truck trailer, which is blown clear with air before being disconnected.

Fugitive emissions from potential leaks at valves, pumps, and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". A thirty percent reduction credit is taken for operations personnel monitoring the loading/unloading operations for leaks that can be detected with visible, audible, or olfactory means.

The emission calculations conservatively assume a 100 ppmv concentration for each of diesel, Methanol and Methylene Chloride for PBR compliance evaluation purposes. The emissions increase associated with this process revision is 0.41 tons per year of VOC. As a result, the project does not trigger nonattainment netting or PSD review.

ATTACHMENT A EMISSION CALCULATIONS

Methylene chloride distillation and loading

				Limit		Actual		PBR Compliance	
Chemical	CAS	TLV	PBR	lb/hr	tpy	lb/hr	tpy	lb/hr	TPY
MeCl2	75-09-2	26	106.262	0.130	0.569	0.099	0.312	YES	YES
Methanol	67-56-1	262	106.261	1	10	0.031	0.099	YES	YES
Diesel	68334-30-5	N/A	106.261	6.0	10.0	0.036	0.002	YES	YES
Water	7732-18-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

0.413

Diesel is evaluated as a refinery petroleum faction containing < 10% benzene [106.261(a)(2)]

for 106.262 E = L/K

For Distillation and Loading

Distance to nearest offsite receptor: D = 200

K= 200

CES Environmental Services Emissions from unloading into distillation tank.

The methylene chloride mixture is pumped into the distillation tank. Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000 lb = n*MW = MW(PV/RT)

moles/hr moles/yr n = 1.36 152.63 n (VOC) = 1.36E-04 1.53E-02

Emissions

Chemical	lb/hr	tpy
MeCl2	0.01152	0.00065
Methanol	0.00435	0.00024
Diesel	0.01764	0.00099

CES Environmental Services Emissions from Distillation Tank

The distillation tank is heated to 120F to remove MeCi2 overhead. The overhead vapors are then cooled to 70F. Flow rate is conservatively based on maximum vapor displacement.

The recovered MECI2 is accumulated.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

```
P =
                            14.7 psia
     V (hourly) =
                            4000 gal/hr =
                                                      534.76
                                                                 ft3/hr
    V (annual) =
                         450,000 \text{ gal/yr} =
                                                     60160.43
                                                                 ft3/yr
             R =
                           10.73 (psi*ft3)/(lbmole*R)
             T =
                              70 F =
                                                       530
                                                                  R
             C =
                             100 ppmv VOC
  MW (MeCl2) =
                          84.933 lb/lbmole
MW (Methanol) =
                           32.04 lb/lbmole
  MW (Diesel) =
                             130 lb/lbmole
```

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000 lb = n*MW = MW(PV/RT)

	moles/hr	moles VOC/hr
n =	1.38	155.51
n (VOC) =	1.38E-04	1.56E-02

Emissions

Chemical	lb/hr	tpy
MeCl2	0.01174	0.00066
Methanol	0.00443	0.00025
Diesel	0.01797	0.00101

5330019.Calcs.xls

CES Environmental Services Emissions from transfer recovered MeCI2 to tank truck

MeCl2 recovered flows into the product tank trailer. Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

	moles/hr	moles/yr
n =	0.03	3.05
n (VOC) =	2.71E-06	3.05E-04

Emissions

Chemical	lb/hr	tpy
MeCl2	0.00023	0.00001
Methanol	0.00009	0.00000
Diesel	0.00035	0.00002

CES Environmental Services Hose Clearing/Disconnecting Emissions

Hose Length:

30 feet

Hose Diameter:

2 inch =

0.17 ft

Hose Volume:

0.0218 ft3

Events Per Year:

113

lb = MW*n = MW(PV/RT)

It is assumed that the remaining vapor is saturated.

The displaced vapors are vented through the diesel scrubber and carbon.

Distillation Tank Transfer Hose:

The hose from the product trailer to the distillation tank is blown with air into the tank.

	Liquid		Mole			Emis
MATERIAL	Composition (%)	MW (lb/lb-mole)	Fraction	Temp (F)	VPa (psia)	(lb/hr)
MeCi2	0.61	84.9	0.8425	80	7.588	0.00243
Methanol	0.19	32.0	0.0990	80	0.261	0.00003
Water	0.20	18.0	0.0585	80	0.031	0.00000
	1.00		1.0000			

Loading Hose:

The hose from the pump to the product trailer is blown with air into the trailer.

	Liquid		Mole			Emis
MATERIAL	Composition (%)	MW (lb/lb-mole)	Fraction	Temp (F)	VPa (psia)	(lb/hr)
MeCl2	0.76	84.9	0.8936	80	8.048	0.00257
Methanol	0.24	32.0	0.1064	80	0.281	0.00003
Water	0.00	18.0	0.0000	80	0.000	0.00000
	1.00		1.0000			

CES Environmental Services Fugitive Emissions

Distillation Tank

			. Emission	Controlled	Emissions
Component Type	Service	Quantity	Factor	lb/hr	tpy
Valves	Light Liquid	8	0.0035	0.0196	0.0858
Valves	Gas/Vapor	3	0.0089	0.0187	0.0819
Flanges	Light Liquid	22	0.0005	0.0077	0.0337
Flanges	Gas/Vapor	10	0.0029	0.0203	0.0889
Pumps	Light Liquid	1	0.0386	0.0270	0.1183
		-		0.0933	0.4087

note: Control Efficiency claimed of 30% for OVA inspections.

Speciation		Controlled Emission	
Material	Wt %	lb/hr	tpy
MeCl2	76	0.0709	0.3106
Methanol	24	0.0224	0.0981
Water	0	0.0000	0.0000

FORMS



I. REGISTRANT INFORMATION						
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regu	lated Entity Number	r: RN-10069	3282	
Note: If "NO," CN or RN number was ent Step II of the submittal process.	ered above; please fill	out the require	d Core Data Form,	which will be a	vailable in	
B. Company or Other Legal Customer Na	me: CES Environment	al Services, Inc	•			
Company Official Contact Name: Matt Bo	wman	Title: Presid	ent			
Mailing Address: 4904 Griggs Road						
City: Houston		State: Texas		Zip Code:7702	21	
Phone No.: 713-676-1460	Fax No.: 713-676-167	' 6	E-mail Address: m	bowman@cese	nviormental.com	
C. Technical Contact Name: Philip Evans	}		Title: Director Tec	hnical Services		
Company: The WCM Group, Inc.		,				
Mailing Address: PO Box 3247						
City: Humble State: Texas 77347						
Phone No.: 281-446-7070	Fax No.: 281-446-334	8	E-mail Address: pe	vans@wcmgro	up.com	
D. Facility Location Information - Street	Address: 4904 Griggs	Road				
If "NO," street address, provide written dr	iving directions to the	site: (attach de.	scription if addition	al space is need	led)	
·			-			
City: Houston	C	ounty: Harris		Zip Code: 770	21	
II. FACILITY AND SITE INFORM	MATION	· · · · · · · · · · · · · · · · · · ·				
A. Name and Type of Facility: CES				⊠ Perman	ent Portable	
B. PBR claimed under 30 TAC § 106 (Li	st all):					
§ 106. 261		§ 106.				
§ 106.262		§ 106.				
§ 106.		§ 106.				
Are you claiming a historical standard ex	emption or PBR?				☐ YES 🛭 NO	
f "YES," enter effective date and Rule Number:						

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

5330019.P17.doc

Page 1 of 4



II. FACILITY AND SITE I	NFORMATION (continued)						
C. Is there a previous Standard Ex (Attach details regarding chang		⊠ YES □ NO					
If "YES," enter Registration Number and Rule Number: 75375, 83191 261, 262							
D. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?							
If "YES," enter Registration Number	er and Rule Number:	X-15980, 83798, 84713		261, 262, 472	2, 532		
E. Are there any other air precon	struction permits at this site	?	_		☐ YES 🖾 NO		
If "YES," enter Permit Numbers:							
Are there any other air preconstruct	ion permits at this site that wo	uld be directly associated	l with this	project?	☐ YES 🖾 NO		
If "YES," enter Permit Numbers:							
F. Is this facility located at a site v pursuant to 30 TAC Chapter 12		ederal operating permit	Y	es 🛛 no 🗌	To be determined		
If the site currently has an existing	federal operating permit, ente	r the permit number:					
Identify the requirements of 30 TAC	Chapter 122 that will be trig	gered if this certification	is accepte	d.			
☐ Initial Application for an FOP	☐ Significant Revis	ion for an SOP	Minor	Revision for a	n SOP		
Operational Flexibility/off Perm	it Notification for an SOP	Revision for GOP	☐ To b	e Determined	⊠ None		
Identify the type(s) issued and/or FO	OP application(s) submitted/pe	ending for the site. (Chec	k all that	apply)			
☐ SOP ☐ GOP	GOP application/rev	vision application: Submi	itted or un	der APD revie	w.		
SOP application/revision application	ation: submitted or under API	O review.	□ N/A				
G. TCEQ Account Identification N	Jumber (if known):	HG 1270 B		<u> </u>			
III. FEE INFORMATION							
	To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.						
A. Is this registration an update to solely to establish a federally er		y and accompanied by a (Certification	on Form	☐ YES ☒ NO		
B. What is the fee amount?	·						

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)



ш.	FEE INFORMATION (continued)	·			
If "	YES," to any of the following three questions, a \$100 fee is require. Otherwise, a \$450	0 fee is required.			
Doc	es this business have less than 100 employees?		☐ YES ⊠ NO		
Dog	es this business have less than 6 million dollars in annual gross receipts?		☐ YES ☒ NO		
Is th	his registration submitted by a governmental entity with a population of less than 10,000	0?	☐ YES ⊠ NO		
C.	Check/Money Order or Transaction Number (Payable to TCEQ): ☐ YES ☒ NO	Was fee Paid online?	☐ YES ☒ NO		
Company name of check: The WCM Group Inc. Fee amount:					
IV.	SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATIO	N			
Not	te: If claiming one of the following PBRs, complete this section, then skip to Section below:	VI., "Submitting your r	registration"		
	imal Feeding Operations § 106.161, Livestock Auction Facilities § 106.162, Saw Mill ving § 106.283, Auto Body Refinishing Facilities §106.436, and Air Curtain Incinera		dling, Storage and		
A.	Is the applicable PBR checklist attached which shows the facility meets all general and the PBR(s) being claimed? (If submitting electronically, click "YES.")	specific requirements of	☐ YES ☐ NO		
B.	Distance from this facility's emission release point to the nearest property line:		feet		
Dis	stance from this facility's emission release point to the nearest off-property structure:		feet		
v.	TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REC Registrants must be in compliance with all applicable state and federal regulation				
A.	Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES ⊠ NO		
B.	Is a process flow diagram or a process description attached?		☑ YES ☐ NO		
C.	Are emissions data and calculations for this claim attached?		☑ YES ☐ NO		
D.	Is information attached showing how the general requirements (30 TAC § 106.4) of the Registration? (PBR checklists may be used, but are optional)	he PBR is met for this	⊠ YES □ NO		
30 2	te: Please be reminded that if the facilities listed in this registration are subject to the Mathematical Registration are subject to the Mathematical Registration of these facilities musual $NO_{\mathbf{x}}$ emissions from these facilities.	=	· ·		
E.	Is information attached showing how the specific PBR requirements are met for this re (PBR checklist may be used, but are optional)	egistration?	⊠ YES □ NO		
F.	Distance from this facility's emission release point to the nearest property line:		100 feet		
Dis	tance from this facility's emission release point to the nearest off-property structure:		200 feet		
	te: In limited cases, a map or drawing of the site and surrounding land use may be requuest of the TCEQ Regional Office or local air pollution control program during an invo		al review or at the		

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)



VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certiffication reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of enhissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these repre sentations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belie f formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request ynd review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE: TATORIA)	DATE:
(ORIGINAL SIGNATURE REQUIRED)	11/17/08

SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION VII.

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.					
Who	Where	What			
Air Permits Initia I Review Team (APERT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C. Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments			
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A. Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form			
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.			
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form Pl-7. Core Data Form, and all attachments.			

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

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MAIN A PARTIELLO DA 1 DOLOTA

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

_	leted by: <u>The WCM Gr</u> Tank Truck Cleaning, P		and wastewater treat	Date: <u>Nove</u>	CHIPCI 2000
	e claimed: 30 TAC Cha				
	ion (including equipmen		l brief process descrip	otion):	
			•		
recovery dist	illation processing syst	em will produc	e Methylene Chloric	de from organic wat	er mixtures.
recovery dist	illation processing syst	em will produc	e Methylene Chloric	de from organic wat	ter mixtures.
•					
recovery dist	illation processing syst	em will produc	e Methylene Chlorid	de from organic wat	0.41
•					
CO	0.00	NO _x	0.00	voc	0.41

A. Title 30 TAC § 106.4(a)(5): Current Permit by Rule Requirements

Yes X No Have you checked to determine if this exempt project is being claimed under the current version of 30 TAC 106?

If "Yes", continue to next question If "No", please contact the Air Permits Division for a copy of the current permit by rule to be claimed.

B. Title 30 TAC § 106.4(a)(7): Permit by rule prohibition check

Yes□ No X	Are there any air permits under the same account containing permit conditions which prohibit or restrict the use of
	permits by rule?
	If "No ", continue to next question
	If "Yes ", permits by rule may not be used or their use must meet the restrictions of the permit.
	A new permit or permit amendment may be required.
	List permit number(s):

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of§l 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

- A. dividing a complete project into separate segments to circumvent §106.4(a)(l) limits;
- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes No X Does your project meet any of the criteria listed above?

 If "No", continue to next rule question If "Yes", a permit y rule may not be claimed.

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No□ The maximum emissions from all facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist.

TCEQ 10150] [Revised 10/04] 106-4qckl - Permits by Rule "Quick Check" Applicability 106.4q Checklist This form is for use by sources subject to air quality permit requirements and may be revised periodically. [APDG S001v3]

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Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

Electroraic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tce-q.state.tx.us/nav/permits/air_permits.html.

CH	CHECK THE MOST APPROPRIATE ANSWER						
	Is a description or checklist of how this claim meets the general requirements for the use of PBRs in X YES \(\sigma\) NO \(\sigma\)N/A 3O TAC § 106.4 attached?						
b 1	Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project						
b2	Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard permit? If "YES," this PBR cannot be used to authorize emissions from the project						
a1	Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located?						
a 2		eased emissions, including fugitives, lea er year of the following materials (chec		hour	X YES - NO - N/A		
000000000000 Xa	ace tylene arg on but ane crude oil carbon monoxide cyclohexane cyclohexene cyclopentan ethyl acetate ethanol ethyl ether ethylene refinery petroleum frac fluorocarbons Number	00000000	limestone nagnesite marble pentaerythritol plaster of paris silicon silicon carbide starch sucrose zinc stearate zinc oxide				
a3	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance Limitations)? List chemical: Methanol L value: 262						
	Are total new or increa not listed or reference	sed emissions, including fugitives, less t d in Table 262? List chemical:	than or equal to 1.0 lb/hr of any cher	nical	□ YES □ NO XN/A		
	200 mg/m ³ ? If "Yes" t	ased emissions, including fugitives,of a he authorization of the chemical is not a 262 to authorize the emissions, if applia	allowed under this section. We su	than gg <i>est</i>	□ YES □ NO XN/A		

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TCEQ - 10121 [Revised 10/04] PBR Checklist for Facilities (Emission Limitations) This form for use by facilities subject to air quality permit requirements and may be revised periodically. [APDG 5018v4]

Page 1 of 2

a4	Are there any changes to or additions of any existing air pollution abatement equipment?	□ YES X NO □N/A
a5	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	□ YES X NO □N/A
аб	Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.	□ YES X NO □N/A
a7	Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one):	X YES 🗆 NO 🗆N/A
	 Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. 	

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Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.262 (30 TAC § 106.262) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tc-eq.state.tx.us/nav/permits/air permits.html.

CHECK	THE MOST APPRO	OPRIATE ANSWER					
	a description or check PBRs in 30 TAC § 10	list of how this claim meets the gener 6.4 attached?	al requirements for the use	X YES	□ NO	□ N/A	
or <i>a</i> ru	or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project.					□ N/A	
or em	b2. Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard perm? If "YES," this PBR cannot be used to authorize emissions from the project.					□ N/A	
If chi	"YES," subsection (a) emicals at the facility.	under another section of this chapter (2) and (3) of this section may be use	d to qualify the use of other	X YES	□ №	□ N/A	
or the						□ N/A	
a2. Are new or increased emissions, including fugitives, emitted in a quantity less than five tons per year or in a quantity less than E as determined by using the equation E=L/K? See Table 262 Figures 1 and 2. If "YES," the notification shall include a description of the project, calculations for all emissions being claimed under this PBR:					□ NO	□ N/A	
Chemical	: Methylene Chloric	<u>le</u> L value: <u>26</u>	D: <u>200</u>	K: <u>200</u>		00	
a3. Is this checklist attached to a Form PI-7 within ten days following the installation modification of the facilities? If "YES," the notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, and description of pollution control equipment, if any.				X YES	□ NO	□ N/A	
		following chemicals is handled for uswer the following four questions.	this registration? (Check all	☐ YES	XNO	□ N/A	
□ acrolein □ allyl chloride □ ammonia (anhydrous) □ arsine □ boron trifluoride □ bromine □ carbon disulfide □ chlorine □ chlorine trifluoride □ chloroacetaldehyde □ chloropicrin □ diazomethane □ diborane □ diglycidyl ether □ dimethylhydrazine □ ethyleneimine □ ethyl mercaptan □ fluorine □ formaldehyde (anhydrous) □ hydrogen bromide □ hydrogen chloride □ hydrogen cyanide □ hydrogen fluoride			hydrogen sulfide ketene methylamine methyl bromide methyl hydrazine methyl isocyanate methyl mercaptan nickel carbonyl nitric acid nitric oxide nitrogen dioxide oxygen difluoride	ozone pentab perchle perchle perchle phospe phospe phospe hexafle sulfur telluriu	oride ne oxide		
🛮 🛏 chloro	prene	chloroprene hydrogen selenide					

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

	Are all faciliti from any off-p	olant recepto	☐ YES	□ NO	□ N/A		
	Are the cumul authorizations equal to 500 p	under this sounds on th	☐ YES	□ NO	□ N/A		
	Are all listed chemicals handled only in unheated containers operated in compliance with the United States Department of Transportation regulation (49 Code of Federal Regulation, Parts 171-178)?					□ N/A	
	Are any chang	ges to or add	litions of any existing air pollution abatement equipment?	☐ YES	□ NO	□ N/A	
a5.	Are there any	changes to	or additions of any existing air pollution abatement equipment?	☐ YES	☐ NO	□ N/A	
a6.	Will there be a from any point period?	☐ YES	□ NO	□ N/A			
	D, Feet K						
	100 326 E=maximum allowable hourly emission, and never to exceed 6			pounds per	hour.		
	200	200					
	300	139	•				
	4 00	104					
	€00 ·	65	·				
	700	54					
	8 00	46	K=value from the table on this page. (interpolate intermediate	values)			
	900 39						
1	000,1	34					
2	2,000	14	D=distance to the nearest off-plant receptor				
3	3,000 or more	8					

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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TABLE 262 LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING § 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for new Construction or Modification).

Compound	Limit (L) Milligrams Per Cubic Meter
Acetone	590. 9.
Acetaldehyde	•
Acetone	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptain	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound Dipropylamine	Limit (L) Milligrams Per Cubic Meter 8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26 .
Ethylene Glycol Dinitrate	0.1
Ethylidene 2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16.
Heptane	350.
Hexanediamine, 1, 6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-T-Butyl Ether	45.
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Merthyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound	Limit (L) Milligrams Per Cubic Meter
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350.
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous-precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succiononitrile	20.
Tolidin	• 0.02
Trichloroethylene	135.
Trinethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinvl Chloride	2.

NOTE: The time weighted average (TWA) threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (AGGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

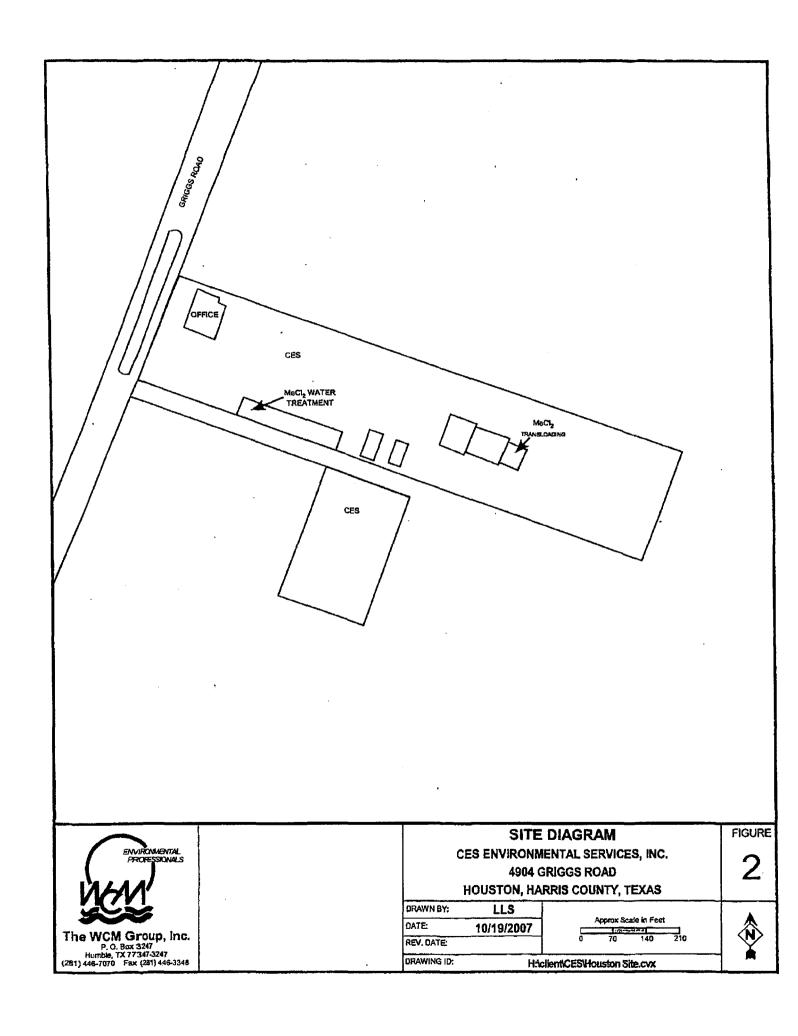
TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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SITE MAP

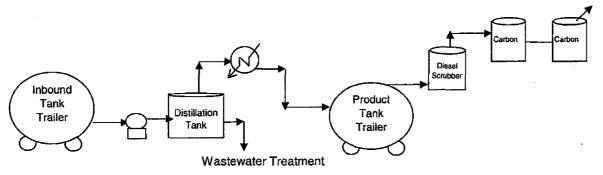
PLOT PLAN



PROCESS FLOW DIAGRAM

Methylene Chloride Process Flow Diagram

Methylene Chloride Transloading with Distillation



Section 1 - Document

November 9, 2007

MR MATT BOWMAN

PRESIDENT

CES ENVIRONMENTAL SERVICES

4904 GRIGGS RD

HOUSTON TX 77021

Permit by Rule Registration Number: 83191

Location/City/County: 4904 Griggs Road, Houston, Harris County

Project Description/Unit: Methylene Chloride Recovery from Tank

Trailers

Regulated Entity Number: RN100693282

Customer Reference Number: CN600618946

New or Existing Site: Existing

Affected Permit (if applicable): None

Renewal Date (if applicable): None

CES Environmental Services, Inc. has certified the emissions associated with the Methylene Chloride recovery from tank trailers under Title 30 Texas Administrative Code §§ 106.261 and 106.262.

For rule information see www.tceq.state.tx.us/permitting/air/nav/numerical_index.html.

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized by this PBR.

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Jonathan Wilmoth, P.E. at (512) 239-0567.

Sincerely, Certified Project Emissions:

VOCs	0.29	tpy
HAP Methylene Chloride (included in	0.28	tpy
VOCs)	1	

A Gulen

Anne M. Inman, P.E., Manager

Rule Registrations Section

Air Permits Division

cc: Bureau Chief of Air Quality Control, Health and Human Services Department, City of Houston, Houston

Director, Pollution Control Department, Harris County Public Health and Environmental Services, Pasadena

Air Section Manager, Region 12 - Houston

Project Number: 133605

Headers

Buddy Garcia, Chairman

Larry R. Soward, Commissioner

Glenn Shankle, Executive Director

Texas Commission on Environmental Quality

Protecting Texas by Reducing and Preventing Pollution

Mr. Matt Bowman

November 7, 2007

Page

Footers

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000 • Internet address: www.tceq.state.tx.us

Section 1 - Document

GENERAL INFORMATION			
Regulated Entity No.:	RN100693282	Project Type:	Permit by Rule Application
Customer Reference No.:	CN600618946	Date Received by TCEQ:	October 23, 2007
Account No.:	see Technical Summary section	Date Received by Reviewer:	October 26, 2007
City/County:	Houston, Harris County	Physical Location:	4904 Griggs Road

CONTACT INFORMATION	CONTACT INFORMATION									
Responsible Official/ Primary Contact Name and Title: Mr. Matt Bowman		Phone No.:	(713) 676-1460	Email:	mbowman@cesenvironmental.com					
	President	Fax No.:	(713) 676-1676							
Technical Contact/	Mr. Philip B. Evans	Phone No.:	(281) 446-7070	Email:	pevans@wcmgroup.com					
Consultant	M. Timp B. Zvani	Though thom	(201) (10 / 5/0	1						
Name and Title:	Director Technical Services	Fax No.:	(281) 446-3348							

GENERAL RULES CHECK	YES	NO	COMMENTS
Is confidential information included in the application?	l	Х	
Are there affected NSR or Title V permits for the project?		х	There are no NSR permits in the NSR IMS for this site. The company certifies that an air federal operating permit is not required for this site.
Is each PBR > 25/250 tpy?		Х	
Are PBR sitewide emissions > 25/250 tpy?		Х	The company certifies that maximum emissions from all facilities at the site are less than 25 tpy of any air contaminant.
Are there permit limits on using PBRs at the site?		Х	
Is PSD or Nonattainment netting required?		х	
Do NSPS, NESHAP, or MACT standards apply to this registration?		Х	
Does NOx Cap and Trade apply to this registration?		Х	The company does not represent any increases in NOx emissions under this registration.
Is the facility in compliance with all other applicable rules and regulations?	х		

DESCRIBE OVERALL PROCESS AT THE SITE

The CES Environmental Services site is a tank container cleaning facility.

DESCRIBE PROJECT AND INVOLVED PROCESS

The company has submitted a registration for PBRs 106.261 and 106.262 for authorization of the operation of a methylene chloride recovery process at the site.

Step 1, Methylene Chloride Transloading:

Methylene chloride (C_2Cl_2) and water enter the facility in a truck tank (tank trailers) and are allowed to phase separate. The C_2Cl_2 phase is then decanted to an interface vessel (C_2Cl_2) is heavier than water and settles to bottom, water is on top) and transferred to another truck tank (product trailer). Emissions from the truck tanks and interface vessel are vented to a tote vessel containing diesel oil which acts as a scrubbing solution and then through an activated carbon canister to remove any residual C_2Cl_2 vapor.

After the decanting and transfer process is complete, the liquid remaining in the hose is gravity drained into the interface vessel, and a very small amount of air is used to clear the liquid in the line leading from the pump on the interface vessel into the C_2Cl_2 truck tank. The truck tank containing mostly water with some residual C_2Cl_2 is then moved to another area of the site where additional processing is performed.

Step 2, Water Processing:

The water and any remaining C_2Cl_2 in the truck tank are pumped into a 10,000 gallon distillation tank. The distillation tank is then heated to approximately 120 $^{\rm O}$ F to remove C_2Cl_2 from the water. The remaining water is tested to ensure removal of the C_2Cl_2 and then sent to wastewater treatment. The vapor phase from the distillation process containing C_2Cl_2 and any evaporated water passes through a condenser where it is cooled to approximately $70^{\rm O}$ F. The condensed liquid is collected in a 250-gallon tote "accumulator vessel." Emissions of any uncondensed vapor from the accumulator vessel are routed to a diesel scrubber and then to activated carbon drums before being vented to the atmosphere. The material collected in the accumulator vessel is then transferred into the interface vessel from the transloading step of the process for phase separation

TECHNICAL SUMMARY - DESCRIBE HOW THE PROJECT MEETS THE RULES

The company has submitted a PI-7-CERT with supporting information. The company certifies that at the start of the process, throughputs are 800 gal/hr and 450,000 gal/yr. Based on company calculations, throughputs for the following steps of the process differ due to the nature of the overall process.

Methylene chloride is not a highly reactive VOC (HRVOC).

The company has indicated to the reviewer that this registration 83191 and registration 75375 belong under account number HG-1270-B (RN10417076). The reviewer informed the project coordinator for the RR Section and requested that the information be forwarded to APIRT if the project coordinator has no issues. The company listed HG-1270-B on the PI-7-CERT in the registration but also listed RN100693282 on the PI-7-CERT. The reviewer did not delay processing of this registration for this item.

There are only several PBR registration projects for RN100693282 and RN10417076 in the NSR IMS.

The reviewer was unable to determine total emissions at the RN100693282 and RN10417076 sites based on available information in GroupWise.

The company did not address MSS in this registration project.

Highlighted 106.261 Requirements as Represented by the Company

- The distance to the nearest off-site receptor is >100 feet.
- Other permits by rule and standard permits do not apply to these facilities.
- Total new or increased emissions, including fugitives, are less than or equal to 6.0 lb/hr and 10 tpy for refinery petroleum fractions. See table below.
- Threshold limit values greater than 200 mg/m**3 is not applicable to this registration.
- Chemicals not listed or referenced in 106.262 is not applicable to this registration.
- There will be no changes to or additions of any air pollution abatement equipment.
- Visible emissions, except uncombined water, will not exceed 5% opacity in any six-minute period,

Highlighted 106.262 Requirements as Represented by the Company

- The distance to the nearest off-site receptor is >100 feet.
- The facilities are not authorized under another PBR or a standard permit.
- There will be no changes to or additions of any air pollution abatement equipment.
- Emissions will not exceed the calculated E value, using the equation E = L/K; see table below.
- 106.262(a)(4) does not apply to this registration.
- Visible emissions, except uncombined water, will not exceed 5% opacity in any six-minute period.

Date	Time	Name/Company	Subject of Communication
10/30/2007	3:10 PM	Mr. Philip Evans / The WCM Group, Inc.	The reviewer left a detailed message and requested please return call.
10/31/2007	about 9:00 AM	Mr. Philip Evans / The WCM Group, Inc.	Mr. Evans called the reviewer.
			Mr. Evans said that this registration and registration 75375 belong under account number HG-1270-B.
			Mr. Evans said that no standard permits apply to this site and that no standard permits have been claimed for this site.
	į		Mr. Evans addressed 106.262 requirements that had not been addressed in the registration.
			Mr. Evans said no NSPS, MACT, or NESHAPs standards apply to this registration.
			Mr. Evans said that the existing controls in this registration are dedicated to this registration and to odor control for wastewater. Mr. Evans said the controls can handle the loading demands of all the waste gas streams vented to the controls.
10/31/2007	10:05 AM	Mr. Philip Evans / The WCM Group, Inc.	Mr. Evans called the reviewer.

			Mr. Evans said that waste (spent) diesel is sent off-site for disposal. Mr. Evans said that he would e-mail more detailed emission calculations for emissions from the hose that connects the water and remaining C2Cl2 under Step 2., Water Processing with the distillation tank.
10/31/2007	10:19 AM	Mr. Philip Evans / The WCM Group. Inc.	The reviewer received the e-mail from Mr. Evans. According to the e-mail, spent diesel will not be processed at the site, and spent diesel will be shipped off-site in drums for disposal. The e-mail included updated emission calculations for the hose that connects the water and remaining C2Cl2 under Step 2., Water Processing with the distillation tank.

PBR Emission Limits						
Chemical	PBR Claimed	L, mg/m ³	Emission Limit	Emission Limit	Actual Emissions	Actual Emissions
		i	(E = L/K) lb/hr	tpy	lb/hr	tpy
for Transloading						
methylene chloride	106.262(a)(2)	26	0.077	0.336	0.054	0.214
diesel (refinery petroleum fractions)	106.261(a)(2)	NA	6	10	0.008	0.002
for Water Processing						
methylene chloride	106.262(a)(2)	26	0.130	0.569	0.040	0.071
diesel (refinery petroleum fractions)	106.261(a)(2)	NA	6	10	0.036	0.002

Source or Otl	Specific VOC or Other	voc		NOx	NOx		со		PM ₁₀		SO_2		HAPs	
	Pollutants	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	
no EPNs assigned / emissions from Transloading		0.06	0.22									0.05	0.21	
no EPNs assigned / emissions from Water Processing		0.08	0.07									0.04	0.07	
TOTAL EMISSIONS (T	PY):		0.29				1						0.28	
MAXIMUM OPERATIN SCHEDULE:	lG .	Hours/l	Day		Days/W	eek/		Weeks/	Year		Hours	Year	8760	

SITE REVIEW / DISTANCE LIMIT	Yes	No	Description/Outcome	Date	Reviewed by
Site Review Required?		Х		11/07/2007	Mr. Jonathan Wilmoth, P.E.
PBR Distance Limits Met?	Х		Distance to nearest property line: 100 feet. Distance to nearest off-property structure: 125 feet. Distance to nearest off-site receptor: 125 feet for Transloading, 200 feet for Water Processing.	11/07/2007	Mr. Jonathan Wilmoth, P.E.

	TECHNICAL REVIEWER	PEER REVIEWER	FINAL REVIEWER
SIGNATURE:	Jack Wild		Jon Elwark
PRINTED NAME:	Mr. Jonathan Wilmoth, P.E.	Ms. Nancy Akintan	Jon Edwards, P.E.
DATE:	11/07/2007	11/08/07	11/09/07

BASIS OF PROJECT POINTS	POINTS
Base Points: 106.261	1.5
	

Project Complexity Description and Points:	
Additional PBRs	0.5
GroupWise search and review of previous TRVs, deficiencies, phone calls, and additional review	1.0
Technical Reviewer Project Points Assessment:	3.0
Final Reviewer Project Points Confirmation:	3.00

Headers

TECHNICAL REVIEW: AIR PERMIT BY RULE

Permit No.:	83191	Company Name:	,		Mr. Jonathan Wilmoth, P.E.
Project No.:	133605	Unit Name:	Methylene Chloride Recovery from Tank Trailers	PBR No(s).:	106.261 and 106.262

Footers

Published by GroupWise



October 19, 2007

15

Mr. David Howell
Permits Administrative Review (PAR) Section (MC 166)
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
12100 Park 35 Circle, Building F, First Floor, Room 1206
Austin, TX 78753

LONE STAR AIRBILL NUMBER 37620349

Reference:

CES Environmental Services, Inc. Houston, Harris County, Texas

Registration of Permit By Rule §106.261 and §106.262

CN 600618946; RN 100693282

Dear Mr. Howell:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation authorizing the operation of a process to recover Methylene Chloride from tank trailers containing Methylene Chloride and water. The process qualifies for authorization under Permits-By-Rule (PBR) §106.261 and §106.262.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Mat Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely.

Philip B. Evans

Director, Technical Services

o B. Evans

PBE/nb 26552:5330005.lts

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen



October 19, 2007

Mr. John Racanelli Revenue Section (MC-214) TEXAS COMMISSION ON ENVIRONMENTAL QUALITY 12100 Park 35 Circle Austin, Texas 78753

LONE STAR AIRBILL NUMBER 37620350

Reference:

CES Environmental Services, Inc.

Houston, Harris County, Texas

Registration of Permit By Rule §106.261 and §106.262

CN 600618946; RN 100693282

Dear Mr. Racanelli:

On behalf of CES Environmental Services, Inc., please find enclosed a check in the amount of \$100 to cover the fee for the above referenced Permit-By-Rule (PBR) registration. A copy of the PI-7 Form is also enclosed.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Mat Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/nb 26552:5330005.lts

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen

THE WCM GROUP INC. PETTY CASH ACCOUNT P.O. BOX 3247

Comerica Comerica Bank - Texas www.comerica.com

1354

HUMBLE, TX 77347-3247

DATE 10/16/07

32-75/1110 787

ONE HUNDRED DOLLARS AND NO/100

DOLLARS \$

100.00

TO THE ORDER

TCEQ

12100 PARK 35 CIRCLE AUSTIN, TEXAS 78753

TWO SIGNATURES REQUIRED NO CHECK ALLOWED OVER \$5,000.00

#001354#

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW
IF NOT CORRECT, PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED

THE WCM GROUP INC. PETTY CASH ACCOUNT HUMBLE, TX 77347-3247 DATE DESCRIPTION AMOUNT 10/16/07 PBR REGISTRATION FEE \$ 100.00

PERMIT-BY-RULE AUTHORIZATION FOR HANDLING OF METHYLENE CHLORIDE

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

October 2007

PERMIT-BY-RULE AUTHORIZATION FOR HANDLING OF METHYLENE CHLORIDE

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Texas

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TCEQ PI-7CERT FORM

TCEQ §106.4 CHECKLIST

TCEQ §106.261 CHECKLIST

TCEQ §106.262 CHECKLIST

FIGURES

- 1 AREA MAP
- 2 FACILITY PLOT PLAN
- 3 AERIAL PHOTOGRAPH
- 4 PROCESS FLOW DIAGRAM

5330005.rpt

INTRODUCTION

CES Environmental Services Inc. (CES) operates a tank container cleaning facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and subsequent Permit-By-Rule (PBR) Registration No. 75375.

CES is submitting the enclosed documentation to demonstrate PBR authorization for the operation of a Methylene Chloride (MeCl2) recovery process at the site. Specifically, Methylene Chloride and water enter the facility in a truck tank and are allowed to phase separate. The MeCl2 phase is then decanted to an interface vessel and transferred to another truck tank. The remaining water is then processed to remove residual MeCl2 before being sent to wastewater treatment. Details on these operations can be found in the Process Description section of this application and in the attached calculations.

CES is located in the Houston/Galveston ozone non-attainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this project are approximately 0.28 tons per year (tpy) of VOC. As a result, the project does not trigger non-attainment netting.

A PI-7CERT form, as well as TCEQ §106.4, §106.261, and §106.262 Checklists, are provided in the Forms section of this report. Emission calculations are provided in Attachment A. A Site Location Map, Aerial Photograph, Facility Plot Plan, and Process Flow Diagram are included in the Figures section.

5330005.rpt

1.0 PROCESS DESCRIPTION

The Methylene Chloride recovery process takes place in two parts, transloading and water treatment. The inbound trucks contain two phases of liquid. The bottom phase contains MeCl2. The upper phase is an aqueous layer consisting of water with a small amount of dissolved MeCl2.

The incoming tank trailer containing MeCl2 and water will be placed on an existing concrete containment pad adjacent to the wash rack along with another tank trailer and a 550-gallon tote "interface vessel". The tank trailers are both connected to the interface vessel. Methylene Chloride is slowly decanted in batches from the bottom of the inbound trailer into the interface vessel. The material is allowed to settle briefly in the interface vessel and is then pumped from the interface vessel into the MeCl2 product trailer. Emissions from the trailers and the interface vessel are vented through a 450-gallon tote vessel containing diesel oil which acts as a scrubbing solution, and then through an activated carbon canister to remove any residual MeCl2 vapor.

When the MeCl2 decanting and transfer process is complete, the liquid remaining in the hose is gravity drained into the interface vessel and a very small amount of air is used to clear the liquid in the line leading from the pump on the interface vessel into the MeCl2 storage trailer. The tank trailer containing mostly water with some residual MeCl2 is then moved to another area for the facility where additional processing is performed.

The water and any remaining MeCl2 in the tank trailer are pumped into a 10,000-gallon distillation tank. The distillation tank is then heated to approximately 120° F to remove MeCl2 from the water. The remaining water is tested to ensure removal of the MeCl2 and then sent to water treatment. The vapor phase from the distillation process containing MeCl2 and any evaporated water passes through a condenser where it is cooled to approximately 70° F and the condensed liquid is collected in a 250-gallon tote "accumulator vessel". Emissions of any uncondensed vapor from the accumulator vessel are routed to a diesel scrubber and then to activated carbon drums before being vented to the atmosphere. The material collected in the accumulator vessel is then transferred into the interface vessel from the transloading step of the process for phase separation and transfer into the product trailer.

1 5330005.rpt

2.0 EMISSIONS SUMMARY

Emissions from the Methylene Chloride recovery operation are calculated based on several process steps. Exhaust exiting the carbon units is monitored daily to ensure VOC emitted to the atmosphere remains below 100 ppmv. This includes both MeCl2 and any evaporated diesel from the diesel scrubber. The emission calculations for all emissions venting through controls are therefore conservatively calculated based on the volume displaced and a 100 ppmv concentration of VOC in the carbon bed exhaust. The carbon beds are replaced with fresh carbon when their exhaust concentrations reach 100 ppmv VOC.

Emissions from disconnecting of hoses are calculated assuming the vapor volume inside the hose is saturated with the last material to pass through the hose. The exception to this method is the hose from the interface vessel pump to the product truck tank, which is blown clear with air before being disconnected.

Fugitive emissions from potential leaks at valves, pumps, and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". A thirty percent reduction credit is taken for Operations personnel monitoring the loading/unloading operations for leaks that can be detected with visible, audible, or olfactory means.

The emission calculations conservatively assume a 100 ppmv concentration for both diesel and Methylene Chloride for PBR compliance evaluation purposes. The actual increase in VOC emissions associated with the project is the higher of the two emission rates and not their sum. The total project increase is, therefore, 0.28 tpy, well below the level requiring non-attainment or PSD review.

2 5330005.rpt

ATTACHMENT A EMISSION CALCULATIONS

CES Environmental Services Emissions from transloading of Methylene Chloride

The transloading process takes place in two steps. First from the in bound truck to the interface vessel, and then from the interface vessel to the product truck. The calculations shown here represent emissions from one of the steps. The result must then be doubled to determine the total emissions from the transloading process.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

540 R

P = 14.7 psia V (hourly) = 800 gal/hr = 106.95 ft3/hr V (appual) = 450.000 gal/hr = 60160.43 ft3/hr

V (annual) = 450,000 gal/yr = 60160.43 ft3/yr

R = 10.73 (psi*ft3)/(lbmole*R)T = 80 F =

C = 100 ppmv VOC MW (MeCl2) 84.933 lb/lbmole MW (Diesel) 130 lb/lbmole

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000 lb = n*MW = MW(PV/RT)

moles/hr moles/yr n = 0.27 152.63 n (VOC) = 2.71E-05 1.53E-02

Emissions per step

Chemical	lb/hr	tpy		
MeCl2	2.30E-03	6.48E-04		
Diesel	3.53E-03	9.92E-04		

Total Emissions from transloading

rotal Elimonatio Holl, rationations			
Chemical	lb/hr	tpy	
MeCl2	4.61E-03	1.30E-03	
Diesel	7.05E-03	1.98E-03	

CES Environmental Services Emissions from unloading into distillation tank.

After the MeCl2 is removed from the bottom of the tank trailer, the water and residual disolved MeCl2 is pumped into a distillation tank.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

P = 14.7 psia V (hourly) = 4000 gal/hr = 534.76 ft3/hr V (annual) = 450,000 gal/yr = 60160.43 ft3/yr

 $R = \frac{10.73 \text{ (psi*ft3)/(lbmole*R)}}{}$

T = 80 F = 540 R

C = 100 ppmv VOC MW (MeCl2) 84.933 lb/lbmole MW (Diesel) 130 lb/lbmole

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000 lb = n*MW = MW(PV/RT)

moles/hr moles/yr n = 1.36 152.63 n (VOC) = 1.36E-04 1.53E-02

Emissions

Chemical	lb/hr	tpy
MeCl2	1.15E-02	6.48E-04
Diesel	1.76E-02	9.92E-04

CES Environmental Services Emissions from distillation tank.

The distillation tank is heated to 120F to remove MeCl2 overhead. The overhead vapors are then cooled to 70F. Flow rate is conservatively based on maximum vapor displacement.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

```
P =
                 14.7 psia
V (hourly) =
                4000 gal/hr =
                                      534.76 ft3/hr
V (annual) = 450,000 gal/yr =
                                   60160.43 ft3/yr
              10.73 (psi*ft3)/(lbmole*R)
R≖
T =
                  70 F =
                                        530 R
C=
                 100 ppmv VOC
MW (MeCl2) 84.933 lb/lbmole
MW (Diesel)
                 130 lb/lbmole
```

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000Ib = n*MW = MW(PV/RT)

 $\begin{array}{ccc} & \text{moles/hr} & \text{moles VOC/hr} \\ n = & 1.38 & 155.51 \\ n \text{ (VOC)} = & 1.38\text{E-04} & 1.56\text{E-02} \end{array}$

Emissions

Chemical	lb/hr	tpy
MeCl2	1.17E-02	6.60E-04
Diesel	1.80E-02	1.01E-03

H:\CLIENT\CES\2007 PBR\Emission Calcs ppm

CES Environmental Services Emissions from transfer of recovered MeCl2 to interface and to tank truck

MeCI2 recovered in the accumulator vessel during the distillation process is transferred into the interface vessel and then into the product truck tank. As with transloading, calculations shown here represent emissions from one of the steps. The result must then be doubled to determine the total emissions from the transloading process.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

P = 14.7 psia V (hourly) = 80 gal/hr = 10.70 ft3/hr V (annual) = 9,000 gal/yr =1203.21 ft3/yr 10.73 (psi*ft3)/(lbmole*R) R= T =80 F = 540 R C =100 ppmv VOC MW (MeCl2) 84.933 lb/lbmole MW (Diesel) 130 lb/lbmole

 $\begin{aligned} PV &= nRT \\ n &= PV/RT \\ n(VOC) &= n * C/1,000,000 \\ lb &= n*MW = MW(PV/RT) \end{aligned}$

 $\begin{array}{ccc} & & \text{moles/hr} & \text{moles/yr} \\ n = & 0.03 & 3.05 \\ n \text{ (VOC)} = & 2.71\text{E-06} & 3.05\text{E-04} \end{array}$

Emissions per step

Chemical	lb/hr	tpy
MeCl2	2.30E-04	1.30E-05
Diesel	3.53E-04	1.98E-05

Total Emissions from transfer to interface vessel to truck

Chemical	lb/hr	tpy
MeCl2	4.61E-04	2.59E-05
Diesel	7.05E-04	3.97E-05

CES Environmental Services Hose Clearing/Disconnecting Emissions

Hose Length:

30 feet

Hose Diameter:

2 inch =

0.17 ft

Hose Volume:

0.0218 ft3

Events Per Year:

113

Transloading Hoses:

The hose from the pump to the product tank is blown with air into the product tank. The displaced vapors are vented through the diesel scrubber and carbon. Using the transloading calculation and the volume of a hose, the resulting emissions are:

Chemical	lb/hr	tpy
MeCl2	4.70E-07	2.65E-08
Diesel	7.19E-07	4.06E-08

Following the transloading operations, the hose connecting the inbound truck to the interface vessel is gravity drained into the interface vessel and then disconnected. At that time, the line would contain water with approximately 2% disolved MeCl2.

The displacement of vapors through the interface vessel to control is the same as calculated above assuming 100 ppmv concentration. This is very highly conservative given the small quantity of MeCl2 in the water.

Chemical	lb/hr	tpy
MeCl2	4.70E-07	2.65E-08
Diesel	7.19E-07	4.06E-08

Distillation Tank Transfer Hose:

The same calculation can also represent the disconnecting of the hose from the inbound truck to the distillation tank. Emissions from disconnecting the line are as follows. It is assumed the vapor remaining in the hose is saturated.

 $lb = MW^*n = MW(PV/RT)$

	Liquid		Mole			Emis	sions
MATERIAL	Composition (%)	MW (lb/lb-mole)	Fraction	Temperature (F)	VPa (psia)	(lb/hr)	(tpy)
MeCl2 Water	2.00 98.00	84.9 18.0	0.0878 0.9122	80 80	0.791 0.490	2.53E-04 3.32E-05	1.43E-05 1.88E-06

H:\CLIENT\CES\2007 PBR\Emission Calcs ppm

CES Environmental Services Fugutive Emissions

Methylene Chloride Transloading

			Emission	Operating	Uncontrolled	l Emissions	Control	Controlled	Emissions
Component Type	Service	Quantity	Factor	Schedule	lb/hr	tpy	Efficiency	lb/hr	tpy
Valves	Light Liquid	4	0.0035	8760	0.01	0.06	30	0.01	0.04
Valves	Gas/Vapor	0	0.0089	8760	0.00	0.00	30	0.00	0.00
Flanges	Light Liquid	10	0.0005	8760	0.01	0.02	30	0.00	0.02
Flanges	Gas/Vapor	4	0.0029	8760	0.01	0.05	30	0.01	0.04
Pumps	Light Liquid	1	0.0386	8760	0.04	0.17	30	0.03	0.12
							Totals	0.05	0.21

It is conservatively assumed that emissions from methylene chloride transloading consist entirely of methylene chloride (no water).

Distillation Tank

			Emission	Operating	Uncontrolle	d Emissions	Control	Controlled	Emissions
Component Type	Service	Quantity	Factor	Schedule	lb/hr	tpy	Efficiency	lb/hr	tpy
Valves	Light Liquid	4	0.0035	8760	0.01	0.06	30	0.01	0.04
Valves	Gas/Vapor	3	0.0089	8760	0.03	0.12	30	0.02	0.08
Flanges	Light Liquid	12	0.0005	8760	0.01	0.03	30	0.00	0.02
Flanges	Gas/Vapor	10	0.0029	8760	0.03	0.13	30	0.02	0.09
Pumps	Light Liquid	1	0.0386	8760	0.04	0.17	30	0.03	0.12
							Totals	0.08	0.35

Speciation	Controlled Emissions			
Material	Wt %	lb/hr	tpy	
MeCl2	20	0.02	0.07	
Water	80	0.06	0.28	



Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

I. REGISTRANT INFORMATIO	N	400 400 400 400 400 400 400				
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regi	ulated En	tity Number:	RN-1006	93282
Note: If "NO," CN or RN number was ent of the submittal process.	ered above; please fill o	ut the required	d Core D	ata Form, whi	ch will be a	vailable in Step II
B. Company or Other Legal Customer Na	me: CES Environmenta	l Services Inc.				
Company Official Contact Name: Matt Boy	wman	Title: Presid	lent			
Mailing Address: 4904 Griggs Rd.						
City: Houston		State: TX		Zip Code: 770)21	
Phone No.: (713) 676-1460	Fax No.: (713) 676-16	76	E-mail	Address: mbov	wman@cese	environmental.com
C. Technical Contact Name: Philip Evans	3					
Company: The WCM Group, Inc.						
Mailing Address: 110 Bender Ave						
City: Humble		State: TX		Zip Code: 773	336	
Phone No.: (281) 446-7070	Fax No.: (281) 446-33	48	E-mail	Address: pevai	ns@wcmgro	oup.com
D. Facility Location Information - Street	Address: 4904 Griggs R	d.				
If "NO," street address, provide written dr	iving directions to the s	ite: (attach des	cription	if additional sp	ace is need	led)
City: Houston	County: Harris			Zip Code: 770)21	
II. FACILITY AND SITE INFORM	MATION		: 1 :: 1842:	FERNANDA STATE OF THE STATE OF	7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
A. Name and Type of Facility: CES Envir	ronmental Services Inc.				X Permar	nent D Portable
B. PBR claimed under 30 TAC § 106 (Li	st all):	· · · · · · · · · · · · · · · · · · ·				
§ 106.261	, , , , , , , , , , , , , , , , , , , ,	§ 106.				
§ 106.262		§ 106.				
§ 106.		§ 106.				
Are you claiming a historical standard ex	emption or PBR?					TYES X NO
If "YES," enter effective date and Rule Nu	mber:			T I		
C. Are you registering a grandfathered f		h documentati	on of cor	nstruction date	•	☐ YES X NO
D. Is there a previous Standard Exemption	n or PBR for the facility	in this registra	ation?			X YES 🗆 NO
(Attach details regarding changes)	•					
If "YES," enter Registration Number and I	Rule Number:	75375		26	1/262	
E. Are there any other facilities at this si	te which are authorized	by an Air St	andard I	Exemption or 1	PBR?	TYES X NO
If "YES," enter Registration Number and Rule Number:						
F. Are there any other air preconstruction permits at this site?						☐ YES X NO
If "YES," enter Permit Numbers:						
G. Is this site required to obtain an air fee	leral operating permit	?				☐ YES X NO
If "YES," enter Permit Number:						
H. TCEQ Account Identification Number	(if known):	HG1270B				

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

III. FEE INFORMATION						
To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.						
A. Is this registration an update to a previously registered facility and accompanied by a Ce to establish a federally enforceable emission limit?	☐ YES X NO					
B. What is the fee amount? If "YES," to any of the following three questions, a \$100 fee is	require. Otherwise, a \$4	50 fee is required.				
Does this business have less than 100 employees?		X YES 🗆 NO				
Does this business have less than 1 million dollars in annual gross receipts?		☐ YES X NO				
Is this registration submitted by a governmental entity with a population of less than 10,000?		TYES X NO				
C. Check/Money Order or Transaction Number (Payable to TCEQ):	Was fee Paid online?	T YES X NO				
Company name of check:	Fee amount:	\$100				
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION	6 (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997)					
Note: If claiming one of the following PBRs, complete this section, then skip to Section V		ristration" helow:				
Animal Feeding Operations § 106.161 Livestock Auction Facilities § 106.16						
	그 그 이 전에 선생님이 이 없다고 있다.					
Grain Handling, Storage and Drying § 106.283 Auto Body Refinishing Facilities § 16 A. Is the applicable PBR checklist attached which shows the facility meets all general and s		inerator § 106.496 YES				
the PBR(s) being claimed? (If submitting electronically, click "YES".)	pecific requirements of	D 1E2 D NO				
B. Distance from this facility's emission release point to the nearest property line:		feet				
Distance from this facility's emission release point to the nearest off-property structure:		feet				
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REG Registrants must be in compliance with all applicable state and federal regulation	T30,485,43	F TERESTALISE				
A. Is Confidential information submitted and properly marked "CONFIDENTIAL" with the	is registration?	☐ YES X NO				
B. Is a process flow diagram or a process description attached?		X YES 🗖 NO				
C. Are emissions data and calculations for this claim attached?		X YES 🗖 NO				
D. Is information attached showing how the general requirements (30 TAC § 106.4) of the	PBR is met for this	X YES 🗆 NO				
Registration? (PBR checklists may be used, but are optional)						
Note: Please be reminded that if the facilities listed in this registration are subject to the Ma	ss Emissions Cap & Tra	de program under				
30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities must	possess NO_x allowances	equivalent to the				
actual NO _{x,} emissions from these facilities.						
E. Is information attached showing how the specific PBR requirements are met for this reg	gistration?	X YES 🗖 NO				
(PBR checklist may be used, but are optional)		100.0				
F. Distance from this facility's emission release point to the nearest property line: 100 fe						
Distance from this facility's emission release point to the nearest off-property structure:		125 feet				
Note: In limited cases, a map or drawing of the site and surrounding land use may be requested the TCEQ Regional Office or local air pollution control program during an investigation.		u review or at the				

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE:	Marlin Mose	DATE: 10/11/07
VII: SUBMIT	TING COPIES OF THE CERTIFICATION AND REGISTRATION	
Control of the Contro	nt as listed below;	
Processing delays	may occur if copies are not sent as noted.	
Who	Where	What
Air Permits	Regular, Certified, Priority Mail	Originals Form PI-7,
Initial Review	MC161, P.O. Box 13087 Austin, Texas 78711-3087	Core Data Form. and
Team (APIRT)	Hand Delivery, Overnight Mail	all attachments
	MC 161, 12100 Park 35 Circle, Building C, Third Floor	
	Austin, Texas 78753	
	Fax No.: (512) 239-2123	
	(do <u>not</u> follow fax with paper copies)	
Revenue Section,	Regular, Certified, Priority Mail	Original Money
TCEQ	MC 214, P.O. Box 13088 Austin, Texas 78711-3088	Order or Check
	Hand Delivery, Overnight Mail	Copy of Form PI-7
	MC 214, 12100 Park 35 Circle, Building A, Third Floor	and Core Data Form
	Austin, Texas 78753	
Appropriate	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us,	Copy of Form PI-7,
TCEQ Regional	or call (512) 239-1250.	Core Data Form, and
Office		all attachments.
Appropriate Local Air	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD	Copy of Form PI-7, Core Data Form, and
Local Air Pollution	Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	all attachments.
Control		
Program(s)		

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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TEXAS NATURAL RESOURCE CONSERVATION COMMISSION AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

	Environmental Services Inc.						
Checklist completed by: The		Date: <u>10/04/2007</u>					
	Facility Type: Tranksport Vessel Cleaning & Waste Processing						
	30 TAC Chapter §106:261, 262						
Project Description (includ	ing equipment, materials, and brief	f process description):					
Methylene	Chloride Handling						
List the maximum annual e	mission rates, in TONS PER YEA	AR (TPY), for this project:					
CO 0.00	NO _x 0.00	VOC 0.28					
PM 0.00	SO ₂ 0.00	Other 0.00					
Yes X No□ Have you chec TAC 106? If "Yes", cont	inue to next question	equirements eject is being claimed under the current version of 30 Division for a copy of the current permit by rule to					
B. Title 30 TAC § 106.4(a	a)(7): Permit by rule prohibition	check					
Yes No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule? If "No", continue to next question If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required. List permit number(s):							

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30 TAC § 106.4(b) states "No person shall circumvent by artificial limitations the requirements of §116.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

A. dividing a complete project into separate segments to circumvent §106.4(a)(1) limits;

TNRCC-10150 (Rev. 8-9-2000)

- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes□No X Does your project meet any of the criteria listed above?

 If "No", continue to next rule question

 If "Yes", a permit by rule may not be claimed

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No□ Will the facility comply with all rules and regulations of the TNRCC, the intent of the Texas Clean Air Act, and any local permitting or registration requirements?

If "Yes", continue to next rule question

If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(1): Emission limits check

Yes X No The maximum emissions from all facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist.

Forward all information needed to verify your permit by rule claim to the TNRCC.

If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist



Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

	Clectronic Submittal - Only enter the PI-7 confirmation number here Iard-Copy Submittal - Print and complete the following checklist.						
requi of th from	irements. If you do not it e PBR are met or you m	signed to help you confirm that you mee meet all the requirements, you may alter hay obtain a construction permit. The mission on Environmental Quantity/air_permits.html.	the project design or operation in s PBR forms, tables, checklists and	uch a guida	way that all the requirement ance documents are available		
CH	IECK THE MOST AF	PROPRIATE ANSWER					
	Is a description or che 30 TAC § 106.4 attac	ecklist of how this claim meets the gene ched?	ral requirements for the use of PBI	Rs in	X YES □ NO □N/A		
b1	Is this claim for constructions tandard permit is in a project	ruction of a facility authorized in anoth effect? If "YES," this PBR cannot be	er section of this chapter or for white used to authorize emissions fron	ich a ı the	□ YES X NO □N/A		
b2		change to any facility authorized una change to any facility authorized unandard permit? If "YES," this PBR cann			□ YES X NO □N/A		
a1	Are facilities or chan structure not occupied property upon which		X YES □ NO □N/A				
a2	Are total new or incre (lb/hr) and ten tons pe	hour	X yes □ no □ n/a				
	fluorocarbons Number	helium isohexane isopropyl alcohol methyl acetylene methyl chloroform methyl cyclohexane neon nonan oxides of nitrogen propane propyl alcohol propylene stions (except for pyrolysis naphthas and s 11, 12, 13, 14, 21, 22, 23, 113, 114,	115, and 116	than			
a3	Are total new or increased e greater than 200 milligrams pe to Facilities (Emission L value:	□ YES □ NO X N/A					
	Are total new or increased en	nissions including figitives less than or equal to 1	Ollybrofanychemical not listed or reference	edin	T VES T NO XN/A		

TCEQ - 10121 [Revised 10/04] PBR Checklist for Facilities (Emission Limitations) This form for use by facilities subject to air quality permit requirements and may be revised periodically. [APDG 5018v4]

Table 262? List chemical:

	Are total new or increased emissions, including fugitives, of a chemical with a limit value of less than 200 mg/m³? If "authorization of the chemical is not allowed under this section. We suggest you use 30 TAC § 106.2 authorize the emissions, if applicable.		□ YES	□ NO	XN/A
a4	Are there any changes to or additions of any existing air pollution abatement equipment?		□ YES	X NO	□n/a
a5	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	m any	□ YES	X NO	□N/A
a 6	Are emission increases five tons per year or greater? If "YES," this checklist must be attache Form PI-7 within ten days following the installation or modification of the facilities. The notifi shall include a description of the project, calculations, data identifying specific chemical names values, and a description of pollution control equipment, if any.	ication	□ YES	X NO	□N/A
a7	Are emission increases less than five tons per year? If "YES," this checklist must be attache Form PI-7 and include a description of the project, calculations, data identifying specific che names, limit values, and a description of pollution control equipment, if any. (pick one):		X YES	□ NO	□N/A
	 Within ten days following the installation or modification of the facilities. The notification include a description of the project, calculations, data identifying specific chemical names values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the pre 	s, limit			
<u> </u>	calendar year.				



Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.262 (30 TAC § 106.262) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

CHECK THE MOST APPRO	DPRIATE ANSWER			(4)		
Is a description or checkled of PBRs in 30 TAC § 10	□ NO	□ N/A				
or for which a standard p authorize emissions fron		R cannot be used to	☐ YES	X NO	□ N/A	
or authorized under a sta emissions from the proje		not be used to authorize	☐ YES	X NO	□ N/A	
If "YES," subsection (a) chemicals at the facility.	under another section of this chapter (2) and (3) of this section may be used	l to qualify the use of other	X YES	□ NO	□ N/A	
or other structure not oc the owner of the propert	s located at least 100 feet from any re cupied or used solely by the owner or y upon which the facilities are located	r operator of the facilities or ?	X YES	□ NO	□ N/A	
tons per year or in a quar Table 262 Figures 1 and	Are new or increased emissions, including fugitives, emitted in a quantity less than five tons per year or in a quantity less than E as determined by using the equation E=L/K? See Table 262 Figures 1 and 2. If "YES," the notification shall include a description of the project, calculations for all emissions being claimed under this PBR:					
Chemical: Methylene	Chloride L value: 174	26 D: 200	K	: <u>20</u>	0	
a3. Is this checklist attache modification of the facil project, calculations, a description of pollution	X YES	□ NO	□ N/A			
a4. Are one or more of the	following chemicals is handled for taswer the following four questions.	his registration? (Check all	☐ YES	X NO	□ N/A	
□ acrolein □ allyl chloride □ ammonia (anhydrous) □ arsine □ boron trifluoride □ bromine □ carbon disulfide □ chlorine □ chlorine dioxide □ chloroacetaldehyde □ chloropicrin □ chloroprene	diazomethane diborane diglycidyl ether dimethylhydrazine ethyleneimine ethyl mercaptan fluorine formaldehyde (anhydrous) hydrogen bromide hydrogen cyanide hydrogen fluoride hydrogen fluoride hydrogen selenide	hydrogen sulfide ketene methylamine methyl bromide methyl hydrazine methyl isocyanate methyl mercaptan nickel carbonyl nitric acid nitric oxide nitrogen dioxide oxygen difluoride	perchlo phosge phosph phosph seleniu hexaflu sulfur p	oromethyl noryl fluoride oryl fluoride one orus trichlo	ride le oxide	

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

	Are all facilities from any off-plan		d at least 300 feet from the nearest property line and 600 feet or?	☐ YES	□ NO	□ N/A
	Are the cumulati authorizations ur equal to 500 pou	☐ YES	□ NO	□ N/A		
	Are all listed chemicals handled only in unheated containers operated in compliance with the United States Department of Transportation regulation (49 Code of Federal Regulation, Parts 171-178)?					□ N/A
	Are any changes	to or add	itions of any existing air pollution abatement equipment?	☐ YES	□ NO	□ N/A
a5.	Are there any ch	anges to o	or additions of any existing air pollution abatement equipment?	☐ YES	□ NO	□ N/A
аб.			missions, except uncombined water, emitted to the atmosphere source in amounts greater that 5.0% opacity in any six-minute	□ YES	□ NO	□ N/A
	D, Feet	K	~			
	100	326	E=maximum allowable hourly emission, and never to exceed 6	pounds per	hour.	
	200	200				
	300	139				
	400	104				
	600	65				
	700	54				
	800	46	K=value from the table on this page. (interpolate intermediate	values)		
	900	39				
1	,000	34				
2	2,000	14	D=distance to the nearest off-plant receptor			
3	3,000 or more	8				

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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TABLE 262 LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING § 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for new Construction or Modification).

Compound	Limit (L) Milligrams Per Cubic Meter 590.
Acetone	9.
Acetaldehyde	
Acetone	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptain	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6
	- · -

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound Dipropylamine	Limit (L) Milligrams Per Cubic Meter 8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene 2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16.
Heptane	350.
Hexanediamine, 1, 6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-T-Butyl Ether	45.
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Merthyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound	Limit (L) Milligrams Per Cubic Meter
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350.
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous-precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succiononitrile	20.
Tolidin	0.02
Trichloroethylene	135.
Trinethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinyl Chloride	2.

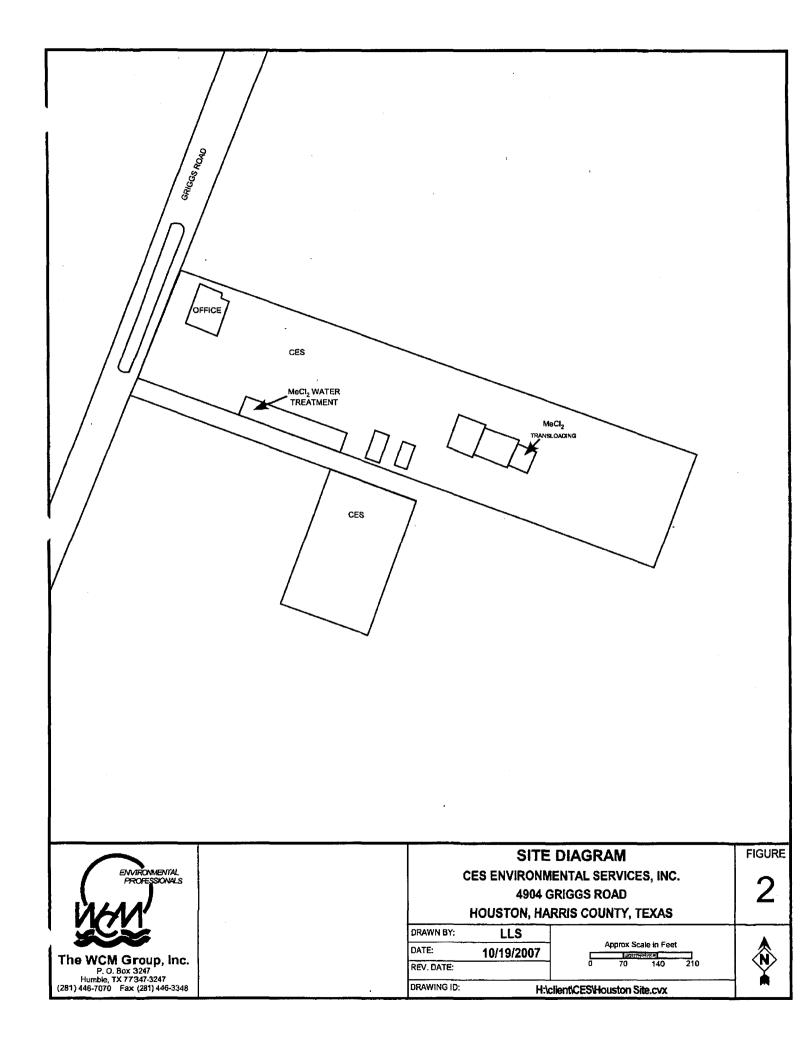
NOTE: The time weighted average (TWA) threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (AGGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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SITE MAP

PLOT PLAN



AERIAL PHOTOGRAPH

10/19/2007



PROCESS FLOW DIAGRAM

್ರೀಎ ್ರೆ ਜ਼k EPAHO043000606

Port Arthur CES Authorizations

January 2009 status

Unit/Process	PBR Rules	Registration No.	Date issued	Emissions	Equipment
Naphthenic acid production	106.261, 106.472	86958			
Sodium hydrosulfide production	261, 262, 472, 475, 492	86173	10/23/2008	VOC 0.03 TPY NOx 3.33 TPY	scrubber, flare, 4 storage, 2 process tanks.
Sodium hydrosulfide production		NSR permit	submitted, needs revision for second train.		



January 2, 2008

Mr. David Howell
Permits Administrative Review (PAR) Section (MC 166)
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
12100 Park 35 Circle, Building F, First Floor, Room 1206
Austin, Texas 78753

LONE STAR AIRBILL NUMBER P2487110

Reference:

CES Environmental Services, Inc.

4904 Griggs Road

Houston, Harris County, Texas

Registration of Permits-By-Rule §106.261, §106.262, and §106.472

CN600618946; RN100693282

Dear Mr. Howell:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation authorizing the operation of an Oil Improvement Process at the referenced site. The process qualifies for authorization under Permits-By-Rule (PBRs) §106.261, §106.262, and §106.472.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Mat Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

Michael J. Charlet from Philips Eroma.

PBE/tv

26661:5330008.lts.doc

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen



January 2, 2008

Mr. John Racanelli Revenue Section (MC-214) TEXAS COMMISSION ON ENVIRONMENTAL QUALITY 12100 Park 35 Circle, Building F, Room 1206 Austin, Texas 78753 LONE STAR AIRBILL NUMBER P2487111

Reference:

CES Environmental Services, Inc.

4904 Griggs Road

Houston, Harris County, Texas

Registration of Permits-By-Rule §106.261, §106.262, and §106.472

CN600618946; RN100693282

Dear Mr. Racanelli:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed a check in the amount of \$100 to cover the fee for the above referenced Permit-By-Rule (PBR) registration. A copy of the PI-7-CERT Form is also enclosed.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Mat Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

michael I . Chartant for Philip Evans

Philip B. Evans
Director, Technical Services

PBE/tv

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Enclosures

CC:

M. Bowman

L. Vasse

B. Allen

THE WCM GROUP INC. PETTY CASH ACCOUNT

Comerica Comerica Bank - Texas Houston, Texas www.comerica.com

1364

P.O. BOX 3247 HUMBLE, TX 77347-3247

#001354#

DATE___1-02-08

32-75/1110 787

DOLLARS \$ 100.00 ONE HUNDRED DOLLARS AND NO/100 TCEQ TWO SIGNATURES REQUIRED NO CHECKS ALLOWED OVER \$5,000.00 REVENUE STATION (MC214) THE 12100 PARK 35 CIRCLE, BLDG F AUSTIN, TEXAS 78753

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.

TY CASH ACCOUN IBLE, TX 77347-3 DATE	THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW IF NOT CORRECT, PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED DESCRIPTION	* 100.00		
1/02/08	TCEQ OIL IMPROVEMENT AREA, PBR REGISTRATION FEE			
	CES-HOU-PBR			
•				

PERMIT-BY-RULE AUTHORIZATION FOR OIL IMPROVEMENT PROCESS

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

January 2008

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FORMS

TCEQ PI-7CERT FORM

TCEQ §106.4 CHECKLIST

TCEQ §106.261 CHECKLIST

TCEQ §106.262 CHECKLIST

TCEQ §106.472 CHECKLIST

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1 - SITE LOCATION MAP

2 - FACILITY PLOT PLAN

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INTRODUCTION

CES Environmental Services, Inc. (CES) operates a tank container cleaning and waste handling facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and a series of Permits-By-Rule (PBRs).

CES is submitting the enclosed documentation to demonstrate PBR authorization for an Oil Quality Improvement operation at the site. Specifically, the process treats oil and mixed molecular weight petroleum hydrocarbons received from off-site to remove water and other impurities. Details on these operations can be found in the Process Description section of this application and in the attached calculations. The equipment and processes covered by this PBR are authorized under 30 TAC 106.261, 106.262, and 106.472. Attachment B includes a table summarizing each piece of equipment and the relevant PBR authorization.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this project is approximately 1.46 tons per year (tpy) of VOC. As a result, the project is not major by itself and does not result in reclassification of the site as a major source.

A PI-7-CERT Form, as well as TCEQ §106.4, §106.261, §106.262, and §106.472 Checklists, are provided in the Forms section of this report. Emission calculations are provided in Attachment A. A Site Location Map, Facility Plot Plan, Aerial Photograph, and Process Flow Diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

Materials for processing received from off-site are stored and processed in a series of tanks near the south end of the CES property. The materials received fall into three general categories: mixed molecular weight petroleum hydrocarbons, oily water, or base oil and water. Upon entering the site, oily water is typically stored in Tank OT-7 or OT-8, but may be stored in any of the tanks associated with the oil process. Similarly, base oil and water (also referred to as wet base oil) is typically stored in Tanks OT-1 or OT-2, but may be stored in any of the oil processing tanks. Mixed molecular weight petroleum hydrocarbons are stored and processed in Tank OT-9.

Mixed molecular weight petroleum hydrocarbons enter the facility mixed with water. The light organics are gravity phase separated from the water in Tank OT-9. The mixed molecular weight petroleum hydrocarbons are then transferred to bullet truck trailers designed for LPG service and shipped off-site as CES Fuel.

The two remaining material types (oily water and wet base oil) undergo similar four step processes to recover usable oil materials.

The first processing step for both material types is removal of water through gravity phase separation while in storage. This process generally occurs in the tank in which the oil was originally stored, but any of the oil processing tanks may be utilized as needed.

The second processing phase consists of heating to further facilitate phase separation. An emulsion breaker is added to improve the separation of oil and water. Sulfuric acid may also be used for pH adjustment. Oily water is normally treated in Tank OT-3 while wet base oil is normally treated in tank OT-4, although these rolls can be reversed if required. This operation qualifies for PBR 106.472 because there is no actual reaction taking place in the tanks.

The third phase of processing differs for the two material types. The oily water is sent to Tank OT-5 and then to a centrifuge to remove the remaining water. The oil from the centrifuge is then sent to Tank FO-1. The wet base oil is sent to Tank OT-10 and is then fed to a vacuum distillation system where the remaining water is removed. Emissions from the centrifuge and distillation systems are vented through a scrubber for odor control. No credit for emission reduction is being taken in this PBR for the scrubber.

The fourth step in the process is the transfer of the finished oil to holding tanks. These may be any of the tanks associated with the oil quality improvement process. From these tanks, the oil may be returned to Step 3 for further processing or be loaded into transport vessels for removal from the site.

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to the existing on-site wastewater treatment facility.								
		•						

All water removed from the Oil Quality Improvement Process is stored in Tank WT-1 and then sent

2.0 EMISSIONS SUMMARY

Emissions from the Oil Quality Improvement operation are calculated based on several process steps. The oil and mixed molecular weight petroleum hydrocarbons entering the facility can contain significant quantities of water. The emissions are conservatively calculated assuming only the organic components.

Emissions from the tanks are calculated using methods specified in AP-42. Because of the variable composition of the mixed molecular weight petroleum hydrocarbons, the emission calculations of that material are estimated using the average molecular weight and constituent vapor pressure.

The Material Data Safety Sheet (MSDS) for the oil specifies that it has a vapor pressure < 0.1 mmHg (<0.002 psia). Because the oil handling tanks are heated to approximately 200°F, the higher vapor pressure of 0.1 psia is used. Tank OT-9 is not heated. The temperature of Tank OT-9, the Sulfuric Acid Tank, and the Emulsion Breaker Tank are calculated in accordance with AP-42. Due to the very small quantity of VOC present in the recovered water, it is assumed that there are no VOC emissions from Tank WT-1. Due to the variable composition of the mixed molecular weight petroleum hydrocarbons, the speciation of emissions from Tank OT-9 is calculated using the maximum content of each component, generally 30 percent, with the balance of the composition being water.

Loading and unloading of mixed molecular weight petroleum hydrocarbons between the process and truck tanks and other transport vessels is vapor balanced back to the storage tank. As a result, there are no emissions from loading activities except from the disconnecting of loading lines. Emissions from the loading of oil into transport vessels are calculated in accordance with AP-42. Emissions from disconnecting of hoses are calculated assuming the vapor volume inside the hose is saturated with the last material to pass through the hose. It also assumes that all of the residual liquid in the line, which is calculated with the clingage factor from AP-42 Chapter 7, evaporates.

Fugitive emissions from potential leaks at valves, pumps, and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". A thirty percent reduction credit is taken for operations personnel monitoring for leaks that can be detected with visible, audible, or olfactory means.

The total project increase is, therefore, 1.46 tpy, well below the level requiring nonattainment or PSD review.

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ATTACHMENT A EMISSION CALCULATIONS

		Piping Co	mponents																
Evaluation:		(Fugi		Distil			rfuge		rage		ding		otal						
1	1	Emissions		Emissions					Emissions	Emissions		Emissions	Emissions	TLV or L-	Applicable	PBR			PLIANCE ?
Component	CAS	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr) ^{1,2}	(TPY)	Value	PBR	Hourly (lb/hr)	Annual (TPY)		
Xylena	106-42-3	0.0046	0.0202					0.3087	0.0565	0.0052	0.0010	0.3185	0.0777	434	106.261	1	4.38	Yes	Yes
Heptane	142-82-5	0.0046	0.0202	<u> </u>	· _		•	0.6615	0.1207	0.0052	0.0010	0.6713	0.1419	350	106.261	1	4.38	Yes	Yes
Hexane	110-54-3	0.0046	0.0202	. <u>-</u>		-	-	1.0832	0.1977	0.0052	0.0010	1.0930	0.2189	1760	106.262	6.00	10.00	Yes	Yes
Ethyl Benzene	100-41-4	0.0046	0.0202	<u> -</u> .		. •		0.2113	0.0386	0.0052	0.0010	0.2210	0.0598	434	106.261	1	4.38	Yes	Yes
Toluene	108-88-3	0.0046	0.0202					0.4932	0.0900	0.0052	0.0010	0.5029	0.1112	188	106.262	1.26	5.49	Yes	Yes
Methanol	67-56-1	0.0046	0.0202	· ·		-	•	1.0240	0.1869	0.0052	0.0010	1.0337	0.2081	262	106.262	1.75	7.65	Yes	Yes
Butanol	71-363	0.0046	0.0202	<u> </u>	-	-	-	0.1447	0.0264	0.0052	0.0010	0.1545	0.0476	76	106.262	0.51	2.22	Yes	Yes
Propanol	71-23-8	0.0046	0.0202		-		-	0,3969	0.0724	0.0052	0.0010	0.4067	0.0936	492	105.261	_ <u> </u>	4.38	Yes	Yes
Ethanol	64-17-5	0.0046	0.0202	<u> </u>	<u> </u>	-		0.7598	0.1387	0.0052	0.0010	0.7696	0.1599	1880	105.261	6	10.00	Yes	Yes
Dimethyl Disulfide	624-92-0	0.0046	0.0202	· · ·	-	-		0.4955	0.0904	0.0052	0.0010	0.5052	0.1116	N/A	106.261		4.38	Yes	Yes
Diethyl Disulfide	110-81-6	0.0046	0.0202	<u> - </u>	-	-		0.1014	0.0185	0.0052	0.0010	0.1112	0.0397	N/A	106.261	1	4.38	Yes	Yes
Gasoline	86290-81-5	0.0046	0.0202	<u>-</u>			·	1.2914	0.2357	0.0052	0.0010	1.3012	0.2569	890	106.262	5.93	10.00	Yes	Yes
Acetic Acid	64-19-7	0.0023	0.0101				-	0.1465	0.0267	0.0026	0.0005	0.1514	0.0373	25	106.262	0.17	0.73	Yes	Yes
Isopropyl Ether	108-20-3	0.0046	0.0202	I <u>-</u>	-	-	-	1.0729	0.1958	0.0052	0.0010	1.0827	0.2170	1040	106.262	6.00	10.00	Yes	Yes
Propionic Acid	64-19-7	0.0046	0.0202			L -	-	0.0843	0.0154	0.0052	0.0010	0.0940	0.0366	30	106.262	0.20	0.88	Yes	Yes
Naphthalene	91-20-3	0.0046	0.0202		T	· -		0.0049	0.0009	0.0052	0.0010	0.0147	0.0221	52	106.262	0.35	1.52	Yes	Yes
Propylamine	107-10-8	0.0020	0.0087			- "	· ·	0.9725	0.1775	0.0022	0.0004	0.9767	0.1867	N/A	106.261	1	4.38	Yes	Yes
Kerosene	8008-20-6	0.0046	0.0202	-	-		-	0.0187	0.0034	0.0052	0.0010	0.0285	0.0246	100	106.262	0.67	2.92	Yes	Yes
Diesel	68334-30-5	0.0046	0.0202			-		0.0145	0.0026	0.0052	0.0010	0.0243	0.0239	N/A	106.261	1	4.38	Yes	Yes
Ethylene Glycol	107-21-1	0.0046	0.0202		· -		-	0.0033	0.0006	0.0052	0.0010	0.0131	0.0218	26	106.262	0.17	0.76	Yes	Yes
Propylene Glycol	57-55-6	0.0046	0.0202	-	-		-	0.0019	0.0004	0.0052	0.0010	0.0117	0.0216	N/A	106.261	1	4.38	Yes	Yes
Naphtha		-	-					0.0425	0.0078		-	0.0425	0.0078	350	106.261	I 1	4.38	Yes	Yes
Oil		0.1460	0.6396	0.0714	0.3128	0.0629	0.0167	0.7977	0.1149	0.0712	0.0159	0.2803	0.9691	N/A	106.261	1	4.38	Yes	Yes
Sulfuric Acid	7664-93-9	l		-		-	-	3.75E-04	2.02E-06			0.0004	0,0000	1	106.262	2.95E-03	0.01	Yes	Yes
	1[11	I /			(Ji.	1	ic	h .	II	1	#	1			TO THE PERSON NAMED IN

1) Total Oil emissions shown for 106.261/262 compliance does not include storage or loading emissions, which are authorized under 106.472.

2) Emissions of each light ends constituent are based on the maximum potential of that material in the mixture. The sum of the components will therefore be greater than 100% of the total emissions.

Project Total Emissions:	AOC
lb/hr	2.78
TPY	1.46

Allowable hourly emission rate for PBR 106.262 calculated as follows:

E=L/K

nere

E = Allowable emissions (lb/hr)

L = L-value from 106.262 or 1997 ACGIH Manual

K = Coeficient for distance to nearest receptor

Oil Improvement Area Distance To Receptor (D,ft) > 125 ft

= 339

Light Ends Distance To Receptor (D,tt) > 150 II

K = 277

If L / K > 6.0 fb/hr, then E = 6.0 fb/hr

Properties

		Max	Density	MW		Antaine's		Pv @	Pv @	Pv @	Pv @	Pv @	Pv @
Chemical	CAS No.	%	lb/gal	lb/lbmole	A	В		537	548	527	555	568	542
Xylene	106-42-3	30	7.2145	106.167	6.9905	1453.43	215.307	0.170619836	0.23607	0.121372	0.295147	0.427426	0.199428
Heptane	142-82-5	30	5.75	100.206	6.8938	1264.37	216.636	0.892396614	1.180043	0.665753	1.430149	1.967116	1.020607
Hexane	110-54-3	30	5.5244	86.17	6.8702	1168.72	224.21	2.947354594	3.758	2.285245	4.442684	5.866076	3.312192
Ethyl Benzene	100-41-4	30	7.2648	106.169	6.9572	1424.255	213.206	0.185290359	0.256125	0.13192	0.319987	0.462773	0.216481
Toluene	108-88-3	30	7.27	92.142	6.9546	1344.8	219.482	0.553856534	0.740465	0.408533	0.904289	1.259888	0.636766
Methanol	67-56-1	30	6.59	32.04	7.898	1474.08	229.13	2.43754719	3.273431	1.790544	4.011192	5.622979	2.808286
Butanol	71-363	30	6.78	74.124	7.4768	1362.39	178.77	0.120674756	0.183927	0.077264	0.24528	0.393892	0.147827
Propanol	71-23-8	30	6.7097	60.1	7.8477	1499.21	204.54	0.406769968	0.586744	0.276753	0.754551	1.144066	0.48511
Ethanol	64-17-5	30	6.62	46.07	8.32	1718,1	237.52	1.161652698	1.603393	0.829575	2.002801	2.899869	1.356003
Dimethyl Disulfide	624-92-0	30	8.9029	94.1894	6.9779	1346.342	218.863	0.557737575	0.746991	0.410608	0.913368	1.275059	0.641783
Diethyl Disulfide	110-81-6	30	8.2954	122.243	6.9751	1485.97	208.958	0.081972338	0.116323	0.056757	0.147948	0.220332	0.09699
Gasoline	86290-81-5	30	6.1	66	6.813	1268.035	273.15	7.052355895	8.484656	5.819444	9.644835	11.9496	7.705982
Acetic Acid	64-19-7	15	8.8	60.053	7.2996	1479.02	216.81	0.297106625	0.411766	0.211	0.515431	0.748002	0.347547
Isopropyl Ether	108-20-3	30	6.032	102.178	7.0971	1257.6	230.01	2.847919527	3.65619	2.192956	4.343427	5.783138	3.210899
Propionic Acid	79-09-4	30	8.3236	74.0792	7.5476	1617.06	205.67	0.067259009	0.099506	0.044563	0.130214	0.203231	0.081194
Naphthalene	91-20-3	30	8.3541	128.18	6.8458	1606.529	187.227	0.003690151	0.005838	0.002274	0.00799	0.013406	0.004602
Propylamine	107-10-8	13	6.0079	59.1108	7.2672	1218.1	229.9	5.989436657	7.630777	4.648974	9.017449	11.90168	6.728091
Kerosene	8008-20-6	30	6.6763	128.3	7.094	2155.31	273.15	0.014278654	0.019551	0.0103	0.02431	0.034991	0.0166
Diesel	68334-30-5	30	7.1	130	7.117	2209.1	275	0.011040899	0.015177	0.007933	0.018924	0.027366	0.01286
Ethylene Glycol	107-21-1	30	9.347	62.06B2	8.7945	2615.4	244.91	0.002487365	0.003957	0.001532	0.005454	0.009308	0.003108
Propylene Glycol	57-55-6	30	8,631	76.097	7.4514	1587.4	160	0.001456621	0.002638	0.000774	0.003951	0.007654	0.00194
Naphtha		50	7.78	86.1	7.166	1980.964	273.15	0.064743108	0.086425	0.047954	0.105583	0.147562	0.074358
Sulfuric Acid	7664-93-9		15.27	98.073	10.468	4145.84	273.15	7.16649E-06	1.31E-05	3.82E-06	1.99E-05	4.02E-05	9.58E-06
Water	7732-18-5		8.34	18.0152	6.09	733.91	131.29	0.483679211	0.70911	0.320432	0.917571	1.393503	0.581987

Name	Pa	Pn	Px	Px (hourty)	MW	lb/gal
CES Fuel	1.23	0.95	1.57	2.49	85.99	7.252076

Loading Emissions

TRANSPORT VESSEL LOADING

From AP-42 Chapter 5 LL = 12.46 SPM/T ib/1000 gal

S = Saturation Factor = P = Vapor Pressure = M = Molecular Weight =

0.6 0.01 psia 150 lb/lbmole 660 R

0.0170 fb/1000 gal

Maximum Load Rate Annual Throughput

T = Temperature =

3000.0000 gal/hr 1272000.0000 gal/yr

Oil Loading Emissions ≠

0.0510 lb/hr

0.0108 tpy

Loading and unloading of light ends is vapor balanced and therefore does not generate emissions.

Before being disconnected the loading hose is blown into the truck/railcar with nitrogen, leaving only residual liquid clingage on the walls of the hose. It is conservatively assumed that all of the residual material in the line evaporates.

TRANSFER LINE DISCONNECTING - VOC EPN - OL-1

	Clingage			Clingage	Vapor			VOC		VOC
	Factor	Product	Density	Mass in	Pressure	MW	Vapor Mass	Emissions		Emissions
Product	(bbV1000 ft2)	Volume (gal)	(lb/gal)	Line (lb)	(psla)	(lb/lbmole)	in Line (lb)	(lb/hr)	Loads (year)	(TPY)
Oli	0.0015	0.00237	8.5	0.0202	0.01	150	2.18E-07	0.0202	500	0.0050
CES Fuel	0.0015	0.00237	7.25	0.0172	1.23	85.99	2.68E-05	0.0172	400	0.0034
							Max. VOC	0.0202		0.0050

- 1. Volume Product = Line Surface Area (3.14 x D x L) x Clingage Factor x 42 gal/bbl / 1000 2. Clingage Factor from AP-42 Chapter 7.
- 3. Mass in Line = (Product Volume x Density)

Line	Dien	ensi	ans:

L	6 ft	
0	2 in	1
Line Volume (V)	0.13 c	u fi
Line Area (A)	37.68 s	q ft
Where V	-bl.,,,r	

Speciation:

	Liquid wt	Emissions	Emissions
Product	frac	(lb/hr)	(TPY)
Xylene	0.3000	0.0052	0.001
Heptane	0.3000	0.0052	0.001
Hexane	0.3000	0.0052	0.001
Ethyl Benzene	0.3000	0.0052	0.001
Toluene	0.3000	0.0052	0.001
Methanol	0.3000	0.0052	0.001
Butanol	0.3000	0.0052	0.001
Propanol	0.3000	0.0052	0.001
Ethanol	0.3000	0.0052	0.001
Dimethyl Disulfide	0.3000	0.0052	0.001
Diethyl Disullide	0,3000	0.0052	0.001
Gasoline	0.3000	0.0052	0.001
Acetic Acid	0.1500	0.0026	0.001
Isopropyl Ether	0.3000	0.0052	0.001
Propionic Acid	0.3000	0.0052	0.001
Naphthalene	0.3000	0.0052	0.001
Propylamine	0,1300	0.0022	0.000
Kerosene	0.3000	0.0052	0.001
Diesel	0.3000	0.0052	0.001
Ethylene Glycol	0.3000	0.0052	0.001
Propylene Glycol	0.3000	0.0052	0.001

¹⁾ Composition is based on worst case weight fraction for each component to allow for variation.

Basis Information:

COMPONENTS	Gas/Vapor Components	Light Liquid Components	Heavy Liquid Components	Estim Fugitive E Ligi	missions	Estima Fugitive Er Heav	missions
	(comp.)	(comp.)	(comp.)	lb/hr	ton/yr	lb/hr	ton/yr
VALVES	0	5	70	0.0005	0.0023	0.0343	0.1502
FLANGES	0	15	210	0.0053	0.0230	0.0103	0.0451
PUMP SEALS	0	1	9	0.0027	0.0118	0.1014	0.4443
OPEN ENDED LINES	0	0	0	0.0000	0.0000	0.0000	0.0000
DRAINS	0	0	0	0.0000	0.0000	0.0000	0.0000
RELIEF VALVES	0	1	0	0.0069	0.0301	0.0000	0.0000
SAMPLE CONNECTIONS*	<u> </u> 0	0	_0	0.0000	0.0000	0.0000	0.0000
TOTAL	0	22	289	0.0154	0.0673	0.1460	0.6396

Component Emission Factors

	Gas/Vapor	28 M	Light Liquid	28 M	Heavy Liquid	28 M
	Factor	% Reduction	Factor	% Reduction	Factor	% Reduction
Component	(lb/hr/comp)	(%)	(lb/hr/comp)	(%)	(lb/hr/comp)	(%)
VALVES	0.0089	97.0	0.0035	97.0	0.0007	30.0
FLANGES	0.0029	97.0	0.0005	30.0	0.00007	30.0
PUMP SEALS	0.0386	93.0	0.0386	93.0	0.0161	30.0
OPEN ENDED LINES	0.004	100.0	0.004	75.0	0.004	100.0
DRAINS	0.004	97.0	0.0027	97.0	0.0027	30.0
RELIEF VALVES	0.2293	97.0	0.2293	97.0	0.2293	30.0
SAMPLE CONNECTIONS*	0.0330	97.0	0.0000	97.0	0.0000	30.0

Emission Factors from TCEQ guidance document on equipment leaks. Includes Flange Monitoring

^{*} Sample connections are capped or blinded.

Fugitive Emissions

Speciation

	Max. Liquid	Emis	sions
Name	wt frac.	lb/hr	ton/yr
Xylene	0.30	0.0046	0.0202
Heptane	0.30	0.0046	0.0202
Hexane	0.30	0.0046	0.0202
Ethyl Benzene	0.30	0.0046	0.0202
Toluene	0.30	0.0046	0.0202
Methanol	0.30	0.0046	0.0202
Butanol	0.30	0.0046	0.0202
Propanol	0.30	0.0046	0.0202
Ethanol	0.30	0.0046	0.0202
Dimethyl Disulfide	0.30	0.0046	0.0202
Diethyl Disulfide	0.30	0.0046	0.0202
Gasoline	0.30	0.0046	0.0202
Acetic Acid	0.15	0.0023	0.0101
Isopropyl Ether	0.30	0.0046	0.0202
Propionic Acid	0.30	0.0046	0.0202
Naphthalene	0.30	0.0046	0.0202
Propylamine	0.13	0.0020	0.0087
Kerosene	0.30	0.0046	0.0202
Diesel	0.30	0.0046	0.0202
Ethylene Glycol	0.30	0.0046	0.0202
Propylene Glycol	0.30	0.0046	0.0202
Oil	1.00	0.1460	0.6396
		0.0046	0.0202

¹⁾ Composition is based on worst case weight fraction for each component to allow for variation.

²⁾ Relief valves on oil tanks are accounted for by setting the tank vent settings to zero in the tank emission calculations.

CES Environmental Services Houston, TX Estimated Tank Emissions

DATA ENTRY															
Tank Identification		OT-1	OT-2	OT-3	OT-4	OT-5	OT-6	OT-7	OT-6	07-9	QT-18	FO-1	Sulturic Acid Tank	Emulsion Breaker Tank	Centrifuge
EPN		OT-1	OT-2	OT-3	OT-4	OT-5	01-6	OY-7	07-6	07-9	OT-16	FO-1	8T-1	ET-1	\$V-1
Material Stored		Base Oli/Water	Base Ol/Water	Basa Oli/Water	Base Oli/Water	OliWater	Base Oil/Water	OlWater	OE/Water	CES Fuel/Water	Ol/Water	OEWater	Sulfuric Acid	Emplsion Breaker	Oli/Water
Tank Capacity	Vol., gailons	18,800	16,800	16,800	16,800	16,500	16,800	16,800	16,800	16,80C	16,800	7,518	4,000	270	18,800
Throughput	gallons	72,000	72,000	1,200,000	72,000	1,200,000	72,000	1,200,000	1,200,000	600,000	873,600	1,200,000	20,000	250	1,200,000
Tank Controlled	Yes/No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Control Efficiency	e, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shell Height	Hs, ft	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Shell Length	Ls, it	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	7.0	8.0	12.0	12.0	12.0
Orientation	Vertica = 1/Horizontal=2	1	1	1	1	1	1	. 1	1	1	2		1	_1	
Fill Rate	galions/hr	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	4,000	250	3,000
Molecular Weight, Ita/to-mote		150.000	150,000	150.000	150.000	150.000	150.000	150.000	150.000	85.985	150.000	150.000	98.073	95.086	150.000
Vapor Pressure @ Tin, psia	526.90 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.9621	0.0100	0.0100	3.82E-05	0.0808	0.0100
Vepor Pressure @ Tle, psis	537.23 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	1.2267	0.0100	0.0100	7.17E-08	0.1122	0.0100
Vapor Pressure 6 Tix, psia	547.57 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	1.5720	0.0100	0.0100	1.31E-06	0.1534	0.0100
Max. Vapor Pressure @ Tix, psia	567.80 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	2.4866	0.0100	0.0100	4.02E-05	0.2729	G.0100
ESTIMATED EMISSIONS															
Maximum Hourly Losses	Lm, lb/hr	0.107	0.107	0.053	0.107	0.063	0.107	0.068	0.063	1.498	D.080	0.038	0.000	0.154	0.063
Standing Losses	Ls, Iblyr	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	646.78	10.32	3.68	0.00	56.72	8.32
Working Losses	Lw, Ib/yr	2.57	2.57	25,14	2.57	25.14	2.57	25.14	25.14	0.00	23.20	15.20	0.00	0.06	26.14
Uncontrolled Total Losses	Li, lb/yr	10.89	10.89	33.45	10.89	33.45	10.89	33.46	33.46	546.78	33.52	18.68	0.00	56.79	33.46
	Lt, ton/yr	0.0054	0.0054	0.0167	0.0064	0.0167	0.0054	0.0167	0.0167	0.2734	0.0168	0.0094	0.0000	0.0284	0.0167
Controlled Total Losses	Lmc, lb/hr	N/A	NA	N/A	NA	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	NA
	Ltc, ton/yr	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PHYSICAL PARAMETER CALCULA	ATIONS														
Diameter, D Effective di	ameter, De	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	13.4	8,0	12.0	12.0	12.0
Avg. Liquid Height	HI, ft	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Max, Liquid Height	нь, п	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	16.0	20.0	4.7	0.3	19.0
Cone Rool Outage	Hro, ft	0.125	D.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.139	0.083	0.125	0.125	0.125
Vapor Space Outage	Hvo, ft	10.125	10.125	10.125	10.125	10.125	10.125	10.126	10.125	10.125	10.139	10.083	10.125	10.125	10.125
Vapor space volume	w.ma	1144.53	1144.53	1144.53	1144.53	1144.53	1144.53	1144.53	1144.53	1144.53	1419,48	506,59	1144.53	1144.53	1144.53
Breather vent pressure setting	Pop, psig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.03	0.00
Breather vant vacuum setting	Pbv, psig	0.00	0.00	0.00	0,00	0.00	0.00	0.00	0.00	-0.03	0.00	0.00	-0.03	-0.03	0.00
Ges Constant	R, psia-ff/3/16 mole-R	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732
Vapor Density	WV, Ibre's	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0183	0.0008	0.0003	0.0000	0.001B	0,0003
Dally vapor pressure range	^Pv, psia	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.8199	0.0000	0.0000	0.0000	0.0726	0.0006
Vapor space expansion factor	Ke	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.119	0.077	0.077	0.073	0.078	0.077
Vented vapor saturation factor	Ks	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.603	0.995	0.995	1.000	0.943	0.995
Working Loss Product Factor	Кp	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1,00	1.00	1.00	1.00	1.00
Net Annual Throughput	C, bbl/yr	1,714.3	1,714.3	28,571.4	1,714.3	28,571.4	1,714.3	28,571,4	28,571.4	14,285.7	20,800.0	28,571.4	478.2	6.0	28,571.4
Turnovers	N	4.3	4.3	71.4	4.3	71.4	4.3	71.4	71.4	35.7	52.0	159.6	5.0	0.9	71.4
Turnover factor	K n	1.00	1.00	0.59	1.00	0.69	1.00	0.59	0.59	1.00	D.74	0.35	1.00	1.00	0.59

MAX. HRLY LOSSES: STANDING LOSSES: Lm = (Lwmax x FR) / (N x Vol)

Ls = 365 x Vv x Wv x Ks x Ks

WORKING LOSSES:

Lw = 0.0010 x Mv x Pva x Q x Kn. x Kp Lwmax = 0.0010 x Mv x Pvx x Q x Kn. x Kp

UNCONTRÔLLED
TOTAL HOUPLY LOSSES:
TOTAL ANNUAL LOSSES:

Lt. = (Ls + Lw) Lt = (Ls + Lw)/2000 b/lon

CONTROLLED
TOTAL HOURLY LOSSES:
TOTAL ANNUAL LOSSES:

Lt. = (Ls + Lw) x (1-e/100) Lt. = (Ls + Lw) / 2000 (b/ton x (1-e/100)

METEROLOGICAL CALCULATIONS:
Data Location
Daily very, liquid aurifice temp, R;
Daily very, liquid aurifice temp, R;
Daily very, ambient temp, R;
Daily solder insulation factor, 8turin'2 day
Annospheric pressure, pola
Daily versus authorit temp, R;
Daily versus authorit temp, R;
Daily versus authorit temp, R;
Daily versus (versus temp, R;
Daily versus (versus temp, R;
Daily versus (versus temp, R;
Daily versus (versus temp, R;
Daily versus (versus temp, R;
Daily versus (versus temp, R;
Daily versus (versus temp, R;
Daily versus (versus temp, R;
Daily versus (versus textus tex MAX HPILY

5 543.05

5 44.05

1 1898

7 14.7

1 553.6

4 552.5

5 51.33

7 567.80

9 542.14

1 0.66 Houston, TX ANNUAL Tia Taa Tb 537.23 628.25 531.33 1351 14.7 539.1 617.4 41.35 547.57 526.90 0.68 Pa Tax Tan ^Tv Tix Tin a

Notes: OT-9 loading is vapor balanced, so there are no working losses for that tank.

Total OT-9 Emissions =

1.50 lb/hr

0.27 tpy

Mole

Partial Pressures assuming max%wt in balance water

				INIOIG	remb					
			Moles	Fraction	537	Vapor	Vapor Wt	Vapor Wt	OT-9	
Chemical	MW	wt%	Ibmole		F	Mole Frac	lb	Fraction	ib/hr	tpy
Xylene	106.167	30	0.2826	0.0678	0.0116	0.0250	2.6554	0.1313	0.1967	0.0359
Water	18.0152	70	3.8856	0.9322	0.4509	0.9750	17.5646	0.8687		
Heptane	100.206	30	0.2994	0.0715	0.0638	0.1245	12.4720	0.4416	0.6615	0.1207
Water	18.0152	70	3.8856	0.9285	0.4491	0.8755	15.7730	0.5584		
Hexane	86.17	30	0.3481	0.0822	0.2424	0.3532	30.4321	0.7231	1.0832	0.1977
Water	18.0152	70	3.8856	0.9178	0.4439	0.6468	11.6529	0.2769		
Ethyl Benzene	106.169	30	0.2826	0.0678	0.0126	0.0271	2.8776	0.1410	0.2113	0.0386
Water	18.0152	70	3.8856	0.9322	0.4509	0.9729	17.5269	0.8590		
Toluene	92.142	30	0.3256	0.0773	0.0428	0.0875	8.0670	0.3292	0.4932	0.0900
Water	18.0152	70	3.8856	0.9227	0.4463	0.9125	16.4380	0.6708		
Methanol	32.04	30	0.9363	0.1942	0.4733	0.5484	17.5711	0.6835	1.0240	0.1869
Water	18.0152	70	3.8856	0.8058	0.3898	0.4516	8.1354	0.3165		
Butanoi	74.124	30	0.4047	0.0943	0.0114	0.0253	1.8775	0.0966	0.1447	0.0264
Water	18.0152	70	3.8856	0.9057	0.4381	0.9747	17.5589	0.9034		
Propanol	60.1	30	0.4992	0.1138	0.0463	0.0975	5.8600	0.2649	0.3969	0.0724
Water	18.0152	70	3.8856	0.8862	0.4286	0.9025	16.2586	0.7351		
Ethanol	46.07	30	0.6512	0.1435	0.1667	0.2870	13.2215	0.5072	0.7598	0.1387
Water	18.0152	70	3.8856	0.8565	0.4143	0.7130	12.8451	0.4928		
Dimethyl Disulfide	94.1894	30	0.3185	0.0758	0.0423	0.0864	8.1341	0.3307	0.4955	0.0904
Water	18.0152	70	3.8856	0.9242	0.4470	0.9136	16.4594	0.6693		
Diethyl Disulfide	122,243	30	0.2454	0.0594	0.0049	0.0106	1.2946	0.0677	0.1014	0.0185
Water	18.0152	70	3.8856	0.9406	0.4549	0.9894	17.8244	0.9323		
Gasoline	66	30	0.4545	0.1047	0.7386	0.6304	41.6068	0.8620	1.2914	0.2357
Water	18.0152	70	3.8856	0.8953	0.4330	0.3696	6.6583	0.1380		
Acetic Acid	60.053	15	0.2498	0.0503	0.0149	0.0315	1.8913	0.0978	0.1465	0.0267
Water	18.0152	85	4.7182	0.9497	0.4594	0.9685	17.4478	0.9022		
Isopropyl Ether	102.178	30	0.2936	0.0703	0.2001	0.3079	31.4623	0.7162	1.0729	0.1958
Water	18.0152	70	3.8856	0.9297	0.4497	0.6921	12.4680	0.2838		
Propionic Acid	74.0792	30	0.4050	0.0944	0.0063	0.0143	1.0583	0.0562	0.0843	0.0154
Water	18.0152	70	3.8856	0.9056	0.4380	0.9857	17.7578	0.9438		
Naphthalene	128.18	30	0.2340	0.0568	0.0002	0.0005	0.0589	0.0033	0.0049	0.0009
Water	18.0152	70	3.8856	0.9432	0.4562	0.9995	18.0069	0.9967		
· Propylamine	59.1108	13	0.2199	0.0436	0.2609	0.3606	21.3145	0.6492	0.9725	0.1775
Water	18.0152	87	4.8293	0.9564	0.4626	0.6394	11.5192	0.3508		
Kerosene	128.3	30	0.2338	0.0568	0.0008	0.0018	0.2275	0.0125	0.0187	0.0034
Water	18.0152	70	3.8856	0.9432	0.4562	0.9982	17.9833	0.9875		
Diesel	130	30	0.2308	0.0561	0.0006	0.0014	0.1760	0.0097	0.0145	0.0026
Water	18.0152	70	3.8856	0.9439	0.4566	0.9986	17.9908	0.9903		
Ethylene Glycol	62.0682	30	0.4833	0.1106	0.0003	0.0006	0.0397	0.0022	0.0033	0.0006
Water	18.0152	70	3.8856	0.8894	0.4302	0.9994	18.0037	0.9978		
5										
Propylene Glycol	76.097	30	0.3942	0.0921	0.0001	0.0003	0.0232	0.0013	0.0019	0.0004

Emulsion Breaker Speciation

Emulsion Breaker Speciation

					Pv @	Pv @	Pv@	Pv @	Pv @	Pv @
		MW		Mole	537	548	527	555	568	542
Component	% wt	lb/lbmole	Moles	Fraction	psia	psia	psia	psia	psia	psia
Xylene	50	106.167	0.4710	0.4478	0.0764	0.1057	0.0544	0.1322	0.1914	0.0893
Naphtha	50	86.1	0.5807	0.5522	0.0358	0.0477	0.0265	0.0583	0.0815	0.0411
Total				1.0000	0.1122	0.1534	0.0808	0.1905	0.2729	0.1304

Total Emulsion Breaker Tank Emissions:

0.15 lb/hr

0.03 tpy

<u> </u>	_	MW		Mole	Pva	Vapor Mole	apor Weigl	Vapor Weight	Emis	sions
Component	% wt	lb/lbmole	Moles	Fraction	psia	Fraction	(lb)	Fraction	(lb)	(tpy)
Xylene	50.0000	106.1670	0.4710	0.4478	0.0764	0.6812	72.3259	0.7249	0.1120	0.0206
Naphtha	50.0000	86.1000	0.5807	0.5522	0.0358	0.3188	27.4447	0.2751	0.0425	0.0078
Total				1.0000	0.1122	1.0000	99.7706	1.0000		

CES Environmental Services

Houston, TX

Oil Improvement Process Vacuum Distillation

EPN: **SV-1**

Basis Information: Emissions calculated as follows:

```
 \begin{split} q &= \left[ \left\{ \left( \left( \left( V/100 \right) \times Fm \right) / \left( M \times \left( T \sqrt{T} \times \right) \right) \right) \times Mv \right) \right\} \times \left\{ 1 - \left( e/100 \right) \right] \right] \\ Q &\approx \left( \left\{ \left( \left( \left( \left( V/100 \right) \times Fa \right) / \left( M \times \left( T \sqrt{T} a \right) \right) \right) \times Mv \right) \right\} \times \left\{ 1 - \left( e/100 \right) \right] \right] \times H \right\} / 2000 \end{split}
```

q = Quantity of VOC emissions (lb/hr)
Q = Quantity of VOC emissions (ton/yr)
V = VOC concentration (%v estimated)
Fa = Average flow rate of vent gas (cfh)

Fm = Maximum flow rate of vent gas (cfh)

Mv = Vapor molecular weight (lb/lb mole)

M = Molar volume (385 ft/3/mole - Gas Constant)

M = Molar volume (365 fraymole - Gas Constant)

Tv = Temperature of vent gas (deg. R)

Ta = Annual average ambient temperature (deg. R)

Tx = Highest monthly average ambient temperature (deg. R)

H = Operating time (hr/yr)

e = Control efficiency (%)

MAXIMUM HOURLY EMISSIONS (q):						
Material: Oil						
input:			Emissions:			
V =	0.68	%	q =	0.071	ĭb/hr	
Fm⇔	80	ft^3/hr				
Mv =	58.08	(b/lbmole				
M =	404	ft^3/mole				
Tv≃	610	R				
Tx≔	554	R				
e =	0	%				
				-		

	ANNUAL EMISSIONS (Q):							
Material: Oi	l							
Input:			Emissions:					
V =	0.68	%	Q =	0.313 ton/yr				
Fa=	80	ft^3/hr		•				
Mv≂	58.08	lb/lbmole						
M =	393	ft/3/mole						
Tv =	610	R						
Ta =	539	R						
H≌	8760	hr/yr						
e=	0	%	•					

ATTACHMENT B PBR AUTHORIZATIONS BY EQUIPMENT

EQUIPMENT	EPN	DESCRIPTION	AUTHORIZATION
OT-1	OT-1	Wet Base Oil Tank	106.472(1)
OT-2	OT-2	Wet Base Oil Tank	106.472(1)
OT-3	OT-3	Oily Water Treatment Tank	106.472(1)
OT-4	OT-4	Wet Base Oil Treatment Tank	106.472(1)
OT-5	OT-5	Centrifuge Feed Tank	106.472(1)
OT-6	OT-6	Wet Base Oil Tank	106.472(1)
ОТ-7	OT-7	Oily Water Tank	106.472(1)
OT-8	OT-8	Oily Water Tank	106.472(1)
OT-9	OT-9	Mixed Molecular Weight Petroleum Hydrocarbons Storage	106.261/106.262
OT-10	OT-10	Distillation Feed Tank	106.472(1)
FO-1	FO-1	Centrifuged Oil Storage Tank	106.472(1)
WT-1	WT-1	Water Storage	N/A
Centrifuge	SV-1	Centrifuge	106.472(1)
Distillation	SV-1	Vacuum Distillation System	106.472(1)
Sulfuric Acid Tank	ST-1	Sulfuric Acid Storage	106.472(5)
Emulsion Breaker Tank	ET-1	Emulsion Breaker Storage Tank	106.261
Loading	OL-1	Product Loading	106.472(1)/ 106.261/106.262
Fugitives	OF-1	Oil Improvement Area Fugitives	106.261/106.262

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FORMS



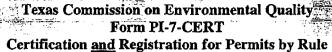
Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

I. REGISTRANT INFORMATIO	N						
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regi	ulated Er	tity Number:	RN-100	693282	
Note: If "NO," CN or RN number was ent of the submittal process.	tered above; please fill o				ch will be	ıvailable in Step II	
B. Company or Other Legal Customer Na	me: CES Environmenta	Services Inc.					
Company Official Contact Name: Matt Bo	wman	Title: Presid	dent				
Mailing Address: 4904 Griggs Rd.		West St.					
City: Houston		State: TX		Zip Code: 770)21		
Phone No.: (713) 676-1460	Fax No.: (713) 676-16	76	E-mail	Address: mbov	vman@ces	environmental.com	
C. Technical Contact Name: Philip Evans	S	I. 1					
Company: The WCM Group, Inc.							
Mailing Address: 110 Bender Ave	3	· 15.4 - 1. 1					
City: Humble		State: TX		Zip Code: 773	36		
Phone No.: (281) 446-7070	Fax No.: (281) 446-33	48	E-mail	Address: pevar	ns@wcmgr	oup.com	
D. Facility Location Information - Street	Address: 4904 Griggs Re	i.					
If "NO," street address, provide written dr	iving directions to the si	te: (attach des	cription	if additional sp	ace is need	ded)	
City: Houston	County: Harris			Zip Code: 770	21		
II: FACILITY AND SITE INFORMATION							
A. Name and Type of Facility: CES Envir	ronmental Services Inc.				Х Регта	nent 🛘 Portable	
B. PBR claimed under 30 TAC § 106 (Li.	st all):		-				
§ 106.261		§ 106.					
§ 106.262		§ 106.					
§ 106.472		§ 106.					
Are you claiming a historical standard ex	emption or PBR?					☐ YES X NO	
If "YES," enter effective date and Rule Nur	nber:						
C. Are you registering a grandfathered f		h documentati	on of cor	struction date:		O YES X NO	
D. Is there a previous Standard Exemption	n or PBR for the facility	in this registra	tion?			☐ YES X NO	
(Attach details regarding changes)		·····					
If "YES," enter Registration Number and R				<u></u> i			
E. Are there any other facilities at this sit	te which are authorized	by an Air Sta	ndard E	xemption or I	PBR?	X YES 🗖 NO	
If "YES," enter Registration Number and F	Rule Number:	75375, 83191		26	1/262		
F. Are there any other air preconstruction	on permits at this site?				_	☐ YES X NO	
If "YES," enter Permit Numbers:							
G. Is this site required to obtain an air fed	leral operating permit?					☐ YES X NO	
If "YES," enter Permit Number:							
H. TCEQ Account Identification Number	(if known):	HG1270B					

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

Page		of		_
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III. FEE INFORMATION.					
To determine if a fee is required answer the following question. If "YES," to question III. A. "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee of online.					
A. Is this registration an update to a previously registered facility and accompanied by a C to establish a federally enforceable emission limit?	ertification Form solely	☐ YES X NO			
B. What is the fee amount? If "YES," to any of the following three questions, a \$100 fee is	require.Otherwise, a \$4	150 fee is reguired.			
Does this business have less than 100 employees?	7.8	X YES 🗖 NO			
Does this business have less than 1 million dollars in annual gross receipts?	.	T YES X NO			
Is this registration submitted by a governmental entity with a population of less than 10,000	?	☐ YES X NO			
C. Check/Money Order or Transaction Number (Payable to TCEQ):	Was fee Paid online?	☐ YES X NO			
Company name of check:	Fee amount:	\$100			
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION	ong Partis Participan property				
Note: If claiming one of the following PBRs, complete this section, then skip to Section V		gistration" below:			
Animal Feeding Operations § 106 161 Livestock Auction Facilities § 106.16	2 - Saw Mills § 1	06.223			
Grain Handling, Storage and Drying § 106:283: Auto Body Refinishing Facilities § 1	06.436 Air Curtain In	cinerator § 106.496			
A. Is the applicable PBR checklist attached which shows the facility meets all general and s the PBR(s) being claimed? (If submitting electronically, click "YES".)	pecific requirements of	☐ YES ☐ NO			
B. Distance from this facility's emission release point to the nearest property line:		feet			
Distance from this facility's emission release point to the nearest off-property structure:		feet			
.v,technical-information including state and federal reg					
Registrants must be in compliance with all applicable state and federal regulation		m a PBR.			
A. Is Confidential information submitted and properly marked "CONFIDENTIAL" with the	is registration?	YES X NO			
B. Is a process flow diagram or a process description attached?		X YES I NO			
C. Are emissions data and calculations for this claim attached?		X YES I NO			
D. Is information attached showing how the general requirements (30 TAC § 106.4) of the	PBR is met for this	X YES I NO			
Registration? (PBR checklists may be used, but are optional)					
Note: Please be reminded that if the facilities listed in this registration are subject to the Ma	ss Emissions Cap & Tra	de program under			
30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities must	possess NO _x allowance	s equivalent to the			
actual NO _x , emissions from these facilities.					
E. Is information attached showing how the specific PBR requirements are met for this reg	istration?	X YES 🗖 NO			
(PBR checklist may be used, but are optional)					
F. Distance from this facility's emission release point to the nearest property line:		100 feet			
Distance from this facility's emission release point to the nearest off-property structure:		125 feet			
Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.					



Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

L SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE:	MOT BOWN	DATE:	-2-08	
VII SUBMI	TING COPIES OF THE CERTIFICATION AND REGISTRATION			
Copies must be s	ent as listed below:			
Processing delay	s may occur if copies are not sent as noted.			
₩ho	Where	W	hat 💮 📜 📜	
Air Permits	Regular, Certified, Priority Mail		Form PI-7,	
Initial Review	MC161, P.O. Box 13087 Austin, Texas 78711-3087		Form. and	
Team (APIRT)	Hand Delivery, Overnight Mail	all attachn	all attachments	
	MC 161, 12100 Park 35 Circle, Building C, Third Floor		,	
	Austin, Texas 78753			
	Fax No.: (512) 239-2123			
	(do <u>not</u> follow fax with paper copies)			
Revenue Section,	Regular, Certified, Priority Mail	Original M		
TCEQ	MC 214, P.O. Box 13088 Austin, Texas 78711-3088	Order or C		
	Hand Delivery, Overnight Mail	Copy of Fo		
	MC 214, 12100 Park 35 Circle, Building A, Third Floor	and Core I	Data Form	
	Austin, Texas 78753			
Appropriate	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us,	Copy of Fo		
TCEQ Regional	or call (512) 239-1250.	Core Data	· · · · · · · · · · · · · · · · · · ·	
Office	THE TAX AND A STATE OF A DECEMBER OF A DECEM	all attachm		
Appropriate Local Air	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.toeq.state.tx,us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Fo		
Pollution	Website at www.cocq.state.tx,assitaviperiniasan_perinias.nujij ot can (312) 237-1230	all attachm	· · ·	
Control				
Program(s)	·			

TCEQ 20182 (Revised 02/07) Form PI-7 CERT

This form for use by facilities subject to air quality permits requirements and
may be revised periodically. (APDG 5379 v5)

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TEXAS NATURAL RESOURCE CONSERVATION COMMISSION AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

Company Name: CES Enviro					
Checklist completed by:T		Date: <u>12/28/2007</u>			
	t Vessel Cleaning & Waste Processin	g			
Permit(s) by rule claimed: 30 TAC	- · · · · · · · · · · · · · · · · · · ·				
	ipment, materials, and brief process des				
Oil Improvement	Process Area				
List the maximum annual emission	rates, in TONS PER YEAR (TPY), 1	for this project:			
CO 0.00	NO _x 0.00	VOC 1.46			
PM 0.00	SO ₂ 0.00	Other 0.00			
Yes X No□ Have you checked to d TAC 106? If "Yes", continue to t	next question ct the TNRCC Air Permits Division for	claimed under the current version of 30 a copy of the current permit by rule to			
Yes□No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule? If "No", continue to next question If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required. List permit number(s):					
C. Title 30 TAC § 106.4(b): Circ	cumvention check				
		tificial limitations the requirements of icial limitations may include but is not			

dividing a complete project into separate segments to circumvent §106.4(a)(1) limits;

TNRCC-10150 (Rev. 8-9-2000)

A.

- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes \(\to No \) No S your project meet any of the criteria listed above?

 If "No", continue to next rule question

 If "Yes", a permit by rule may not be claimed

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No Will the facility comply with all rules and regulations of the TNRCC, the intent of the Texas Clean Air Act, and any local permitting or registration requirements?

If "Yes", continue to next rule question

If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(1): Emission limits check

Yes X No The maximum emissions from all facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist.

Forward all information needed to verify your permit by rule claim to the TNRCC.

If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist



cyclohexane

cyclohexene

cyclopentan

ethyl acetate

ethanol

ethylene

ethyl ether

Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

	Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.						
requ of th fron	irements. If you do not not be PBR are met or you n	esigned to help you confirm that you mee meet all the requirements, you may alter may obtain a construction permit. The amission on Environmental Quarmits/air_permits.html.	the project design or operation in s PBR forms, tables, checklists and	such a way guidance o	that all the requirement documents are availabl		
CF	HECK THE MOST	APPROPRIATE ANSWER					
	Is a description or che 30 TAC § 106.4 attac	ecklist of how this claim meets the gener ched?	ral requirements for the use of PBI	Rs in X	YES □ NO □ N/A		
b1	bl Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project						
b2	b2 Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard permit? If "YES," this PBR cannot be used to authorize emissions from the project						
a1	structure not occupie	ges located at least 100 feet from any r d or used solely by the owner or operat the facilities are located?			YES □ NO □ N/A		
a2		eased emissions, including fugitives, les er year of the following materials (checl		hour X	YES □ NO □ N/A		
00000	acetylene argon butane crude oil carbon monoxide	□ helium □ isohexane □ isopropyl alcohol □ methyl acetylene □ methyl chloroform	☐ propyl ether ☐ sulfur dioxide ☐ alumina ☐ calcium carbonate ☐ calcium silicate		esite		

□ cellulose fiber

□ cement dust

emery dust

□ glycerin mist

gypsum

□ kaolin

refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene

iron oxide dust

TCEQ - 10121 [Revised 10/04] PBR Checklist for Facilities (Emission Limitations) This form for use by facilities subject to air quality permit requirements and may be revised periodically. [APDG 5018v4]

methyl cyclohexane

oxides of nitrogen

propyl alcohol

fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116

not listed or referenced in Table 262? List chemical: See Calculations

Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical

having a limit value (L) greater than 200 milligrams per cubic meter (mg/m³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance

Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical

□ neon

nonan

propane

□ propylene

Limitations)? List chemical: See Calculations

L value: See Calculations

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X YES INO NO N/A

X YES INO NO N/A

□ silicon

□ starch

□ silicon carbide

zinc stearate

zinc oxide

sucrose

	Are total new or increased emissions, including fugitives, of a chemical with a limit value of less than 200 mg/m³? If "Yes" the authorization of the chemical is not allowed under this section. We suggest you use 30 TAC §106.262 to authorize the emissions, if applicable.	□ YES □ NO XN/A				
a4	Are there any changes to or additions of any existing air pollution abatement equipment?	□ YES X NO □N/A				
a 5	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	□ yes X no □n/a				
аб	Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.					
a7	Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one): X Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or	X yes □ no □n/a				
	By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year.					



Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.262 (30 TAC § 106.262) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

of PBRs in 30 TAC § 106	ist of how this claim meets the genera 5.4 attached? tion of a facility authorized in another	l requirements for the use	V	**************************************	* ***
h1 Is this plaim for construct	tion of a facility authorized in another		X YES	□ ио	□ N/A
or for which a standard pe authorize emissions from	ermit is in effect? If "YES," this PBR the project.	cannot be used to	☐ YES	XNO	□ N/A
or authorized under a star emissions from the projec		not be used to authorize	☐ YES	XNO	□ N/A
If "YES," subsection (a)(. chemicals at the facility.	If "YES," subsection (a)(2) and (3) of this section may be used to qualify the use of other				□ N/A
or other structure not occ the owner of the property				□ №	□ N/A
a2. Are new or increased emissions, including fugitives, emitted in a quantity less than five tons per year or in a quantity less than E as determined by using the equation E=L/K? See Table 262 Figures 1 and 2. If "YES," the notification shall include a description of the project, calculations for all emissions being claimed under this PBR:				□ NO	□ N/A
Chemical: See Calculat	ions L value: See Calculation	ons D: See Calculation	ons K	See Calcu	ulations
modification of the facilit	ollowing the installation or include a description of the al names, L values, and a	X YES	□ NO	□ N/A	
a4. Are one or more of the i	following chemicals is handled for the swer the following four questions.	nis registration? (Check all	☐ YES	XNO	□ N/A
acrolein allyl chloride ammonia (anhydrous) arsine boron trifluoride bromine carbon disulfide chlorine chlorine trifluoride chloroacetaldehyde chloropicrin chloroprene	diazomethane diborane diglycidyl ether dimethylhydrazine ethyleneimine ethyl mercaptan fluorine formaldehyde (anhydrous) hydrogen bromide hydrogen cyanide hydrogen fluoride hydrogen selenide	hydrogen sulfide ketene methylamine methyl bromide methyl hydrazine methyl isocyanate methyl mercaptan nickel carbonyl nitric acid nitric oxide nitrogen dioxide oxygen difluoride	perchlo phosge phosph phosph seleniu hexaflu liquefie	oromethyl m oryl fluoride ne ine orus trichlo	ride e oxide

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

	Are all facilitie from any off-p		☐ YES	□ NO	□ n/a	
	Are the cumula authorizations equal to 500 po	☐ YES	□ NO	□ n/a		
	Are all listed of the United Stat Regulation, Pa	☐ YES	□ NO	□ N/A		
	Are any changes to or additions of any existing air pollution abatement equipment?			☐ YES	□ NO	□ N/A
a5.	. Are there any changes to or additions of any existing air pollution abatement equipment?			☐ YES	□ NO	□ N/A
аб.	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater that 5.0% opacity in any six-minute period?			☐ YES	□ NO	□ N/A
	D, Feet	K				
	100	326	E=maximum allowable hourly emission, and never to exceed 6	pounds per	hour.	
	200	200				
	300	139				
	400	104				
	600	65				
	700	54				
	800	46	K=value from the table on this page. (interpolate intermediate	values)		
	900	39				
1	,000	34				
2	2,000	14	D=distance to the nearest off-plant receptor			
3	,000 or more	8				

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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TABLE 262 LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING § 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for new Construction or Modification).

Compound	Limit (L) Milligrams Per Cubic Meter
Acetone	590.
Acetaldehyde	9.
Acetone	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptain	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound	Limit (L) Milligrams Per Cubic Meter
Dipropylamine	8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene 2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16.
Heptane	350.
Hexanediamine, 1, 6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-T-Butyl Ether	45.
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Merthyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	. 0.1

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound	Limit (L) Milligrams Per Cubic Meter
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350.
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous-precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succiononitrile	20.
Tolidin	0.02
Trichloroethylene	135.
Trinethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (AGGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.



Texas Commission on Environmental Quality

Exemption §106.472 Checklist (Previously Standard Exemption 51)

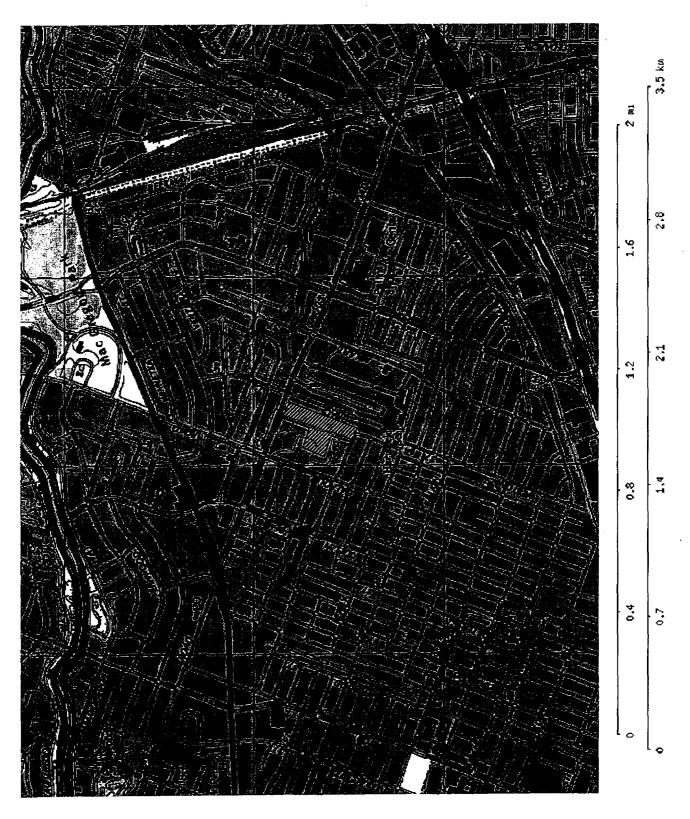
Organic Liquid Loading and Unloading

The following checklist is designed to help you confirm that you meet §106.472, previously Standard Exemption 51 (STDX 51), requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Exemption §106.472, previously Standard Exemption 51. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

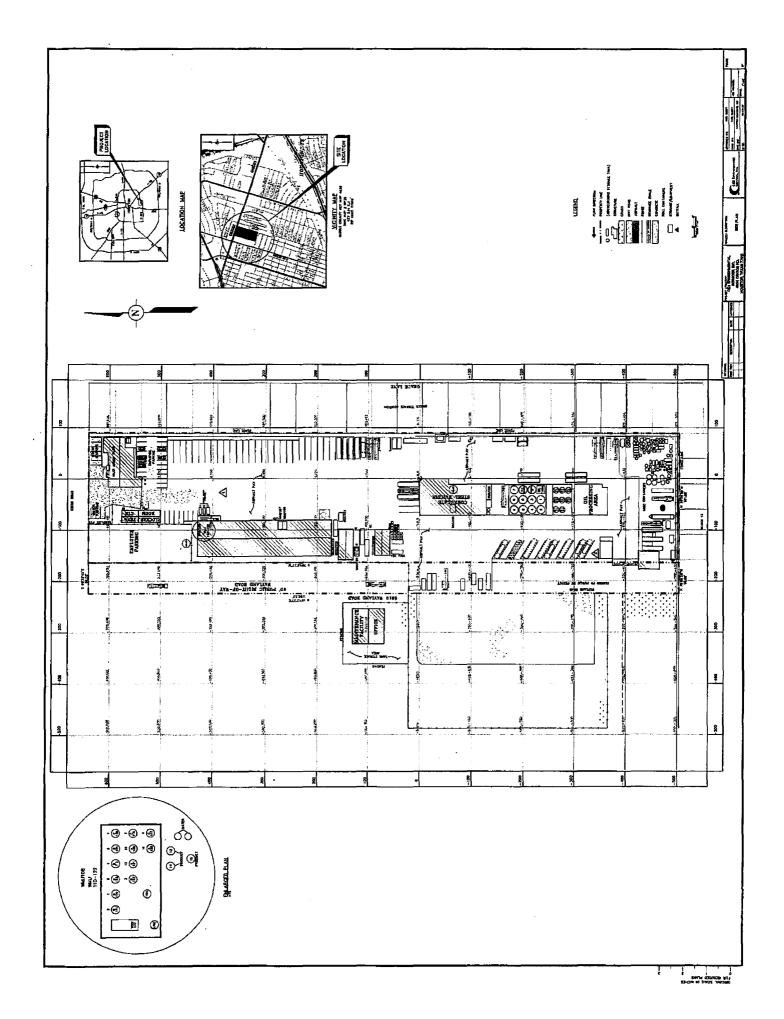
<u>YES</u>	<u>NO</u>	<u>NA</u>	DESCRIPTION
<u>X</u>	_		Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106, Subchapter A checklist is available)?
<u>X</u>	-		Are all the facilities claimed for exemption specifically named in the general section of §106.472, previously STDX 51? (This exemption has been interpreted to allow mixing or blending but not chemical reaction in tankage.)
<u>X</u>	_	_	Is the equipment designed to prevent visible emissions?
<u>X</u>		_	Are all the chemicals to be loaded, unloaded, or stored described in §106.472, previously STDX 51(a) - (i)? Attach a list of the chemicals and identify the appropriate item of §106.472, previously STDX 51 that applies. Include additional supporting data. For example, a §106.472, previously STDX 51(i), claim should identify initial boiling points of all compounds to be covered.
_	-	X	Will aqueous ammonia solutions, hydrochloric acid, or acetic acid be vented through a water scrubber?
-		<u>X</u>	Are facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees F or greater listed in 40 CFR 261, Appendix VIII, located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? List these compounds and show their handling location on an attached scaled plot plan.

SITE LOCATION MAP





FACILITY PLOT PLAN

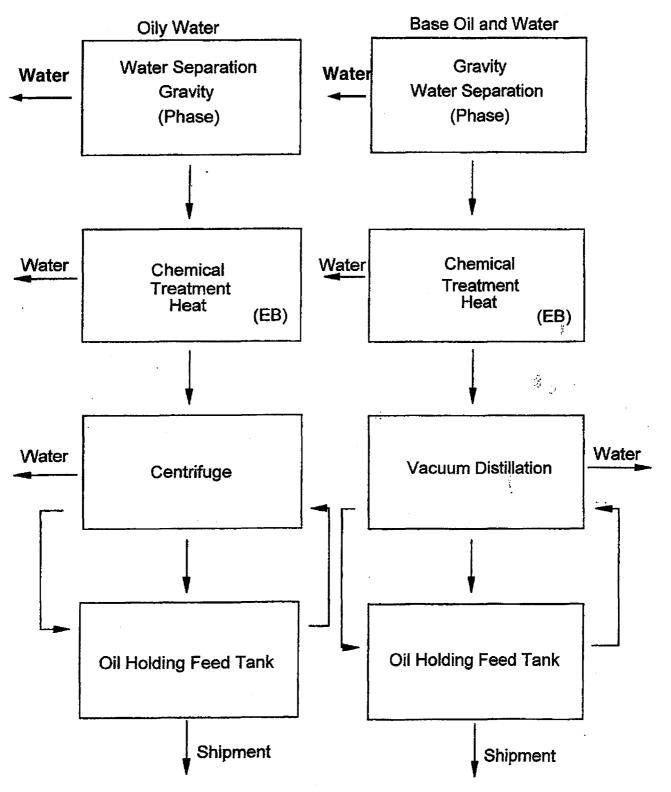


AERIAL PHOTOGRAPH



PROCESS FLOW DIAGRAM

CES Environmental Services, Inc. Process Flow Diagram Oil Process Area 12/05/07



CES ENVIROMENTAL

Buddy Garcia, Chairman
Larry R. Soward, Commissioner
Bryan W. Shaw, Ph.D., Commissioner
Glenn Shankle, Executive Director



MITH. MAIL DESTROY F.001/001

Desiree Wistcott

TROW: KARL

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 23, 2008

MR MATT BOWMAN
PRESIDENT
CES ENVIRONMENTAL SERVICES
4904 GRIGGS RD
HOUSTON TX 77021

MAY 3 0 2008
BY:

Permit by Rule Registration Number:

84713

Location/City/County:

4904 Griggs Rd, Houston, Harris County

Project Description/Unit:

Treatment of Sulfurized Isobutylene Wastewater

Regulated Entity Number:

RN100693282 CN600618946

Customer Reference Number: New or Existing Site:

Existing

Affected Permit (if applicable):

None

Renewal Date (if applicable):

None

CES Environmental Services, Inc., has certified the emissions associated with the treatment of sulfurized isobutylene wastewater under Title 30 Texas Administrative Code §§ 106.261, 106.262, 106.472, 106.532. For rule information see www.tceq.state.tx.us/permitting/air/nav/numerical index.html.

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized by this registration. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Jon Edwards, P.E. at (512) 239-5863.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following website which includes the accreditation and exemption information:

http://www.tceq.state.tx.us/compliance/compliance_support/qa/env_lab_accreditation.html

Sincerely.

Certified Emissions:

VOCs	0.38	tpy	
PM as Inorganics	0.17	tpy	

Anne M. Inman, P.E., Manager Rule Registrations Section Air Permits Division

cc: Bureau Chief of Air Quality Control, Health and Human Services Department, City of Houston, Houston Director, Environmental Public Health Division, Harris County Public Health and Environmental Services, Pasadena

Air Section Manager, Region 12 - Houston

Project Number: 137945

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000 • Internet address: www.tceq.state.tx.us printed on recycled paper using soy-based ink



April 16, 2008

Air Permits Initial Review Team (APIRT), MC161 Texas Commission on Environmental Quality 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 LONE STAR AIRBILL NUMBER 40402900

Reference:

Registration of Permits-By-Rule

CES Environmental Services, Inc.

4904 Griggs Road

Houston, Harris County, Texas CN600618946; RN100693282

Dear Sir or Madam:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation to authorize the processing of wastewater containing sulfurized isobutylene. The project qualifies for authorization under Permits-By-Rule (PBRs) §106.261, §106.262, §106.472 and §106.532.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

Dip B. Exam

PBE/tv 26927:5330010.let.doc

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen



April 16, 2008

Mr. John Racanelli Revenue Section (MC-214) Texas Commission on Environmental Quality 12100 Park 35 Circle, Building F, Room 1206 Austin, Texas 78753 LONE STAR AIRBILL NUMBER 40402901

Reference:

CES Environmental Services, Inc.

Houston, Harris County, Texas

Registration of Permit-By-Rule §106.261

CN600618946; RN100693282

Dear Mr. Racanelli:

On behalf of CES Environmental Services, Inc. (CES), please find, enclosed, a check in the amount of \$100 to cover the fee for the above referenced Permit-By-Rule (PBR) registration. A copy of the PI-7-CERT Form is also enclosed.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

& R. Evans

PBE/tv 26927:5330010.let.doc

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen

Society fishers are rections.	THE WCM GROUP INC. PETTY CASH ACCOUNT P.O. BOX 3247 HUMBLE, TX 77347-3247	Comerica Bank - Texas Houston Texas www.comerica.com DATE April 16,	1392 2008 32-75/1110 787
PAY	ONE HUNDRED DOLLARS AND NO/100	DOLLARS	\$ 100.00
TO THE ORDER OF	TCEQ	TWO SIGNATURES F	
an hali kala saransa dah kala damada ja	"SPELOO""		
THE WCM GF PETTY CASH HUMBLE, TX	ACCOUNT IF NOT CORPORT DI FASE NOTICE II	ENT OF ITEMS DESCRIBED BELOW	
DAT	E DESCRI	PTION	AMOUNT

	SCRIPTION	AMOUNT
•		
CES PBR REGISTRATION FEE	CES-HOU-PBR	\$ 100.00
	•	

PERMIT-BY-RULE AUTHORIZATION FOR SIB WASTEWATER TREATMENT PROCESS

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Harris County, Texas

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ATTACHMENTS

A - EMISSION CALCULATIONS

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TCEQ PI-7CERT FORM

TCEQ §106.4 CHECKLIST

TCEQ §106.261 CHECKLIST

TCEQ §106.262 CHECKLIST

TCEQ §106.472 CHECKLIST

FIGURES

- 1 AREA MAP
- 2 FACILITY SITE PLAN
- 3 PROCESS FLOW DIAGRAM

INTRODUCTION

CES Environmental Services, Inc. (CES) operates tank container cleaning and wastewater treatment facilities at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and subsequent Permits-By-Rule (PBRs) Registration No. 75375, 83191 and 83798.

CES is submitting the enclosed documentation to demonstrate PBR authorization for the treatment and processing of a wastewater stream containing sulfurized isobutylene at the site. Sulfurized isobutylene wastewater (SIB) is transported to the facility in a truck tank and is pumped into a treatment tank. The SIB undergoes oxidization and acidification then chemical additions to precipitate metals, reduce BOD and suspended solids. Operational details on this operation are found in the Process Description section of this registration.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this project is calculated as 0.38 tons per year (tpy) of VOC. As a result, the project does not trigger nonattainment netting.

A PI-7-CERT Form with TCEQ §106.4, §106.261 §106.262 and §106.472 Checklists are provided in the Forms section of this report. Emission calculations are provided in Attachment A. A topographic map, facility site plan, and process flow diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

Sulfurized isobutylene wastewater (SIB) is transported to the facility in a truck tank. This wastewater mixture is composed of water with sulfurized isobutylene and sodium salts of sodium sulfide and sodium hydroxide. The SIB mixture undergoes oxidization, acidification and chemical additions to precipitate metals and suspended solids. The material is then filtered for solid and wastewater disposal.

The percent ranges of the constituents of the received wastewater mixture are as follows: Water at 85-95%; Sulfurized Isobutylene sulfur compound at <5%; Sodium Sulfide at 1–5%; Sodium Hydrosulfide at 2–5%. The wastewater mixture is received via tank truck or isocontainer and transferred into a 10,000-gallon wastewater treatment tank (T1) using a tank-to-tank vapor exchange. Several treatment steps occur in this tank. The first stage is oxidization of the isobutylene and sulfides with a 10% solution of hydrogen peroxide fed at a controlled rate into the treatment tank. This slow transfer rate minimizes the heat of reaction and ensures the complete oxidation of the isobutylene and sulfide compound. The 10% hydrogen peroxide solution is pumped from a 550-gallon dilution tank (H2) supplied by a larger 5,500-gallon tank (H1) storing 35% hydrogen peroxide. Both tanks vent to a water scrubber. The second treatment stage is acidification by introduction of sulfuric acid (97%) to reduce the pH from 10 su to the pH 5.0 su to facilitate solids precipitation. Sulfuric acid is supplied from a small 1,000-gallon storage tank (S).

A vapor collection system using two 24 cfm vacuum pumps draws a negative pressure across the treatment tank capturing all vapors emitted from the transfer processes, the oxidation process and the acidification process. The vapors route to a caustic scrubber vessel where they are diffused into a sodium hydroxide solution. This scrubber then vents to the existing facility scrubber header system that consists of an 85-gallon knockout tank, two in-series 10% caustic and 5% bleach towers then finally a deodorizer tower. The vapor is exhausted with a 10 hp blower through the 30-feet tall vent stack. The overall emission control efficiency of the system is 98%.

The final stages of wastewater treatment involve the addition of ferric chloride, calcium hydroxide and anionic polymer solutions to create a filtrate ready for disposal. The vessel is then mixed thoroughly. The final treatment step is the addition of an anionic polymer. With proper agitation, this final stage of chemical treatment creates the large flocculent that precipitates out solids and reduces BOD.

The precipitated mixture now moves to a sludge tank (ST) then through a filter press. The sludge tank vents to the existing facility scrubber system. The filtrate water from the press is discharged via pipeline to an off-site POTW. The solids from the filter press are transferred into a solids bin for proper classification and disposal.

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2.0 EMISSIONS SUMMARY

Emissions from the SIB wastewater processing are calculated from tank losses due to material transfers. All volatile materials are vented through a caustic scrubber. Fugitive emissions from potential leaks at valves, pumps, and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". Reduction credit is taken for operations personnel monitoring the operations for leaks that can be detected with audible, visible or olfactory means. The total project increase of volatile organics is 0.38 tpy, well below the level requiring non-attainment or PSD review.

PERMIT-BY-PRULE APPLICABILITY SUMMARY OF PROJECT CHEMICALS

CAS No.	Chemical	PBR
115-11-7	Isobutylene	106.261
772-84-1	Hydrogen peroxide	106.262
1313-82-2	Sodium Sulfide	106.472
16721-80-5	Sodium Hydrosulfide	106.472
7664-93-9	Sulfuric Acid solution	106.472
7705-08-0	Ferric chloride	106.472 / 106.532
1305-62-0	Calcium hydroxide	106.472 / 106.532
	Polymer solution	106.532
	Wastewater	106.532

SUMMARY OF PROJECT EQUIPMENT

Status	FIN	Description	Project Use	PBR
new	T 1	10,000-gal capacity Vert Fixed Roof Tank	Treatment Tank	106.472 (2), 106.532
new	CSV	Caustic diffuser scrubber vessel	vent control	106.261/106.262
new	H1	5,500-gal capacity Horz Fixed Roof Tank	Hydrogen Peroxide 35% storage	106.262
new	H2	550-gal capacity tote	Hydrogen Peroxide 10% storage	106.262
new	s	220-gal capacity Vert Fixed Roof vessel	Sulfuric Acid Storage	106.472 (5)
new	Щ	600-gal capacity Vert Fixed Roof Tank	Ferric chloride storage	106.472 (3)/106.532
existing	С	4,000-gal capacity Vert Fixed Roof Tank	calcium hydroxide	106.472 (3)/106.532
N/A	P	55-gal drum	Polymer solution storage	106.532
existing	ST	sludge tank	Waste Water separation	106.532

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ATTACHMENT A EMISSION CALCULATIONS

SUMMARY OF EMISSIONS AND PBR APPLICABILITY DOCUMENTATION

PBR 106.472

	Stor	age	Fugi	tives	Total		
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	
Sodium Sulfide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Sodium Hydrosulfide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Sulfuric Acid	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Ferric chloride	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
calcium hydroxide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Neutralization salts	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

PBR 106.261 / 106.262

	Stor	age	Fug	itives	To	1	
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	1
Isobutylene	0.1147	0.3831	0.0000	0.0001	0.1147	0.3832	
Hydrogen peroxide	0.0004	0.0002	0.0011	0.0047	0.0015	0.0049	
					0.1162	0.3882	7

PBR Compliance

	Applicable	TLV	PBR Allowable		PBR Co	mpliance
Chemical	PBR	mg/m^3	lb/hr	TPY	lb/hr	TPY
Isobutylene	106.261	-	1.00	10.0	YES	YES
Hydrogen peroxide	106.262	1.4	0.009	5.0	YES	YES

PBR Allowables:

<u>lb/hr</u> <u>ton/yr</u>

106.261 1.0 10.0

106.262 E=L/K 5.0

 $L = TLV (mg/m^3)$

K = 157 ,receptor distance > 270 ft

TANK EMISSION CALCULATIONS

TARK EMISSION CALSGEATIONS						T ·····		T
	Tank ID:	T1	H1	H2	S	F	С	ST
		Sulfurized	Hydroxide	Hydrogen			Calcium	Sludge/Treate
	Material:	Isobutylene	Peroxide 35%	Peroxide 10%	Sulfuric Acid	Ferric Chloride	Hydroxide	Wastewater
Annual Throughput, gal/yr	Q =	832,000	582,400	499,200	45,760	6,240	104,000	1,493,440
Max Hourly Transfer Rate, gal/hr	FR =]	4,000	1,100	550	50	50	50	50
Emissions:								
Maximum Hourly Emissions, lb/hr	Lmax =	0.13528	0.00212	0.00150	0.00000	0.01551	0.01389	0.00000
Total Annual Emissions, TPY	Lt =	0.45200	0.01822	0.00041	0.00000	0.00095	0.01052	0.00000
Annual Average Hourly Emis, lb/hr	Lavg =	0.103	0.004	0.00009	0.000	0.000	0.002	0.000
Standing loss, lb/yr	Ls =	19.011	3.293	0.072	0.000	0.871	5.626	0.000
Working loss, lb/yr	Lw =	884.993	33.143	0.748	0.000	1.032	15.404	0.000
Material Properties:								
Molecular Weight, lb/lb-mole	Mv =	42.42	6.87	8.08	98.07	18.00	18.00	0.00
Vapor Pressure @ Tla, psia	Pva =	1.05	0.35	0.39	0.00	0.39	0.35	0.00
Vapor Pressure @ Tin, psia	Pvn =	0.93	0.29	0.33	0.00	0.33	0.29	0.00
Vapor Pressure @ Tlx, psia	Pvx =	1.19	0.41	0.46	0.00	0.46	0.41	100.00
Max. Vapor Pressure @ mTlx, psia	Pvmax =	1.67	0.59	0.71	0.00	0.72	0.65	0.00
Tank Properties:			j					
Vapor control device		scrubber	scrubber	scrubber	scrubber	none	none	scrubber
Vapor control efficiency, %	e =	98	98	98	98	0	0	98
Capacity volume, gal	Cv =	9,975	5,398	547	940	59 5	4,230	940
Shell Diameter, ft	D =	8.5	8.3	4.5	4.0	4.5	12.0	4.0
Shell Height/Length, ft	Hs =	23.5	13.5	4.6	10.0	5.0	5.0	10.0
Tank Orientation (vertical or horizontal)		vert	horiz	vert	vert	vert	vert	vert
Roof type (cone or dome)	l	cone	N/A	cone	cone	cone	cone	cone
Tank Color (white, light gray, other)		white	white	white	white	white	white	white
Solor absorbance factor	a =	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Pressure vent setting, psig	Pbp =	0.3	0	0.3	0	0	0	0
Vacuum vent setting, psia	Pbv =	-0.3	0	-0.3	0	0	0	0
Effective diameter, ft	De =	8.5	11.9	4.5	4.0	4.5	12.0	4.0
Avg. Liquid Height, ft	HI =	11.8	4.1	2.3	5.0	2.5	2 .5	5.0
Max. Liquid Height, ft	Hlx =	23.5	8.3	4.6	10.0	5.0	5.0	10.0
Roof Outage, ft	Hro =	0.00	0.00	0.05	0.04	0.05	0.13	0.04
Vapor Space Outage, ft	Hvo =	11.75	4.13	2.35	5.04	2.55	2.63	5.04
Vapor space volume, ft ³	Vv =	666.75	459.65	37.33	63.36	40.51	296.88	63.36

Page 1 SIB Calcs

*								
Operating Conditions (Houston, Tx):			ł	}	1	i	([
Atmospheric pressure, psia	Pa =	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Annual Avg. Daily solar insulation factor, Btu/ft^2 day	! =	1351	1351	1351	1351	1351	1351	1351
Annual Avg. Daily max. ambient temp, R	Tax =	539.1	539.1	539.1	539.1	539.1	539.1	539.1
Annual Avg. Daily min. ambient temp, R	Tan =	517.4	517.4	517.4	517.4	517.4	517.4	517.4
Annual Avg. Daily vapor temp. range, R	^Tv =	22.1	22.1	22.1	22.1	22.1	22.1	22.1
Annual Daily avg. liquid surface temp, R	Tla =	530.1	530.1	520.0	530.1	530.1	530.1	530.1
Annual Avg. Daily min. liquid surface temp., R	Tin =	524.6	524.6	515.0	524.6	524.6	524.6	524.6
Annual Avg. Daily max. liquid surface temp., R	Tlx =	535.6	535.6	525.0	535.6	535.6	535.6	535.6
Highest Month Daily solar insulation factor, Btu/ft^2 day	ml =	1898	1898	1898	1898	1898	1898	1898
Highest Month Daily max. ambient temp, R	mTax =	553.6	553.6	553.6	553.6	553.6	553.6	553.6
Highest Month Daily min. ambient temp, R	mTan =	532.5	532.5	532.5	532.5	532.5	532.5	532.5
Highest Month Daily vapor temp. range, R	m^Tv =	24.2	24.2	24.2	24.2	24.2	24.2	24.2
Highest Month Daily max. liquid surface temp., R	mTix =	551.7	551.7	525.0	551.7	551.7	551.7	551.7
Gas Constant, psia-ft^3/lb mole-R	R =	10.73	10.73	10.73	10.73	10.73	10.73	10.73
Vapor Density, lb/ft ³	Wv=	0.008	0.000	0.001	0.000	0.001	0.001	0.000
Daily vapor pressure range, psia	^Pv =	0.257	0.124	0.134	0.000	0.131	0.117	100.000
Vapor space expansion factor	Ke =	0.016	0.050	0.010	0.042	0.051	0.050	6.844
Vented vapor saturation factor	Ks=	0.604	0.929	0.954	1.000	0.950	0.954	1.000
Working Loss Product Factor	Kp =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turnovers	N =	83.41	107.89	912.22	48.68	10.49	24.59	1588.83
Turnover factor	Kn =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Operating Days, days/yr	Days =	365	365	365	365	365	365	365

Page 2 SIB Calcs

TANK EMISSION SPECIATION

	Tank ID:	Τ.	1	H	i	Н	2		3	F	:		;	S	Γ
	EPN:	T.	1	H ⁻		H	2	9	3	F				S	Γ
Stream	wt frac.	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Isobutylene	0.8476	0.1147	0.3831												
Sodium Sulfide(salt)	0.0000	0.0000	0.0000							ļ					
Sodium Hydrosulfide (salt)	0.0000	0.0000	0.0000											ļ	
Water	0.1524	0.0206	0.0689		i		1			:				[
Hydrogen Peroxide 35%	0.0463			0.0001	0.0001		İ								
Hydrogen Peroxide 10%	0.2191					0.0003	0.0001	!							
Sulfuric Acid	1.0000						i	0.0000	0.0000			i			
Ferric Chloride solution	0.0000					i				0.0000					
water	1.0000									0.0155	0.0439			ļ	
Calcium Hydroxide	0.0000							:				0.0000	0.0000		
Water	1.0000						j					0.0139	0.0105		
Neutralization salts	0.0000			:			,					•		0.0000	0.0000
Water	0.0000					<u> </u>								0.0000	0.0000

Speciation	lb/hr	TPY
Isobutylene	0.1147	0.3831
Sodium Sulfide(salt)	0.0000	0.0000
Sodium Hydrosulfide (salt)	0.0000	0.0000
Hydrogen Peroxide	0.0004	0.0002
Sulfuric Acid	0.0000	0.0000
Ferric Chloride solution	0.0000	0.0000
Calcium Hydroxide	0.0000	0.0000
Neutralization salts	0.0000	0.0000
Water	0.0500	0.1233

FUGITIVE EMISSION ESTIMATES

MATERIAL	FIN	VP (psia)	Liquid wt frac.	Stream Type LL,HL,G/V	Valves	lbs/hr	Flanges	lbs/hr	Gas/Vapor Vaives	lbs/hr	Gas/Vapor Flanges	lbs/hr	Pumps	lbs/hr	Relief Valves	lbs/hr	Agitator	lbs/hr	Total lb/hr	EMISS (lb/hr)	SIONS (ton/yr)
isobutylene	Τı	1.67428	0.0500	ш	8	0.00084	22	0.00033	0	0	0	0	1	0.002702	1	0.006879	1	0.000015	0.0005	0.0000	0.0001
Hydrogen peroxide 30%	Н1	0.58773	0.3000	LL.	8	0.00084	20	0.0003	0	0	0	0	1	0.002702	1	0.006879	0	0	0.0032	0.0010	0.0042
Hydrogen peroxide 10 %	H2	0.70865	0.1000	щ	16	0.00168	44	0.00066	0	o	,0	0	1	0.002702	1	0.006879	1	0.000015	0.0012	0.0001	0.0005
																				0.0011	0.0049

	Total	
Speciation	lb/hr	TPY
Isobulyiene	0.0000	0.0001
Hydrogen peroxide	0.0011	0.0047
Total	0.0011	0.0049

Total is multiplied by liquid weight fraction 365 days in service

Monitoring is performed in accordance with TCEQ AVO.

SOCMI Factors	Valves	Flanges	G/V VIV	G/V Fing	: Pumps-	Relief Viv	Agitator
Light Liquid (LL)	0.0035	0.0005			0.0386		0.0005
Gas / Vapor (G/V)			0.0089	0.0029		0.2293	••
Heavy Liquid (HL)	0.0007	0.00007			0.0161		0.00007
	range means					all all ac	till are.
LL,G/V - Efficiency (%)	97	97	97	97	93	97	97
HL - Efficiency (%)	0	. 0	30	30	0	0	0

^{*} Per TNRCC guidance, fugitive emissions are not estimated for materials with vapor pressure < 0.002 psia.

FORMS



Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

I. REGISTRANT INFORMATIO	N								
A. TCEQ Customer Reference Number:	CN-600618946	TCFO Rem	ilated Fr	ntity Number	RN-1006	93282			
A. TCEQ Customer Reference Number: CN-600618946 TCEQ Regulated Entity Number: RN-100693282 Note: If "NO," CN or RN number was entered above; please fill out the required Core Data Form, which will be available in Step II of the submittal process.									
B. Company or Other Legal Customer Name: CES Environmental Services, Inc.									
Company Official Contact Name: Matt Bowman Title: President									
Mailing Address: 4904 Griggs Rd.									
City: Houston	·	State: TX		Zip Code: 770	21				
Phone No.: (713) 676-1460	Fax No.: (713) 676-16	576	E-mail	l Address: mbov	vman@cese	environmental.com			
C. Technical Contact Name: Philip Evans	3								
Company: The WCM Group, Inc.									
Mailing Address: 110 Bender Ave									
City: Humble		State: TX		Zip Code: 773	336				
Phone No.: (281) 446-7070	Fax No.: (281) 446-33	348	E-mail	Address: pevar	ns@wcmgr	oup.com			
D. Facility Location Information - Street	Address: 4904 Griggs R	.d.							
If "NO," street address, provide written dr	riving directions to the s	ite: (attach des	cription	if additional sp	oace is need	led)			
City: Houston	County: Harris			Zip Code: 770	021				
II. FACILITY AND SITE INFOR	MATION								
A. Name and Type of Facility: CES Envi	ronmental Services Inc.				X Perma	nent 🗖 Portable			
B. PBR claimed under 30 TAC § 106 (Li	ist all):				<u> </u>				
§ 106.261		§ 106.532							
§ 106.262		§ 106.	···						
§ 106.472		§ 106.		· · · ·					
Are you claiming a historical standard ex	emption or PBR?					☐ YES X NO			
If "YES," enter effective date and Rule Nu	mber:								
C. Are you registering a grandfathered	facility? If "YES," attac	ch documentati	ion of co	nstruction date	•	☐ YES X NO			
D. Is there a previous Standard Exemptio (Attach details regarding changes)	n or PBR for the facility	in this registra	ation?			X yes 🗖 no			
If "YES," enter Registration Number and	Rule Number:	75375, 8319	1	26	1/262				
E. Are there any other facilities at this si	ite which are authorized	l by an Air St	andard :	Exemption or	PBR?	☐ YES X NO			
If "YES," enter Registration Number and	Rule Number:					•			
F. Are there any other air preconstruction permits at this site?									
If "YES," enter Permit Numbers:									
G. Is this site required to obtain an air federal operating permit?									
If "YES," enter Permit Number:									
H. TCEQ Account Identification Number	t (if known):	HG-1270-B							

TCEQ 20182 (Revised 92/07) Form PI-7 CERT
This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

533	0010.pi7cert.doc
Page	of



Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

III. FEE INFORMATION								
To determine if a fee is required answer the following question. If "YES," to question III. A., "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee online.								
A. Is this registration an update to a previously registered facility and accompanied by a Coto establish a federally enforceable emission limit?	ertification Form solely	☐ YES X NO						
B. What is the fee amount? If "YES," to any of the following three questions, a \$100 fee is	require. Otherwise, a \$4	50 fee is required.						
Does this business have less than 100 employees?		X YES □ NO						
Does this business have less than 1 million dollars in annual gross receipts?		☐ YES X NO						
Is this registration submitted by a governmental entity with a population of less than 10,000	?	☐ YES X NO						
C. Check/Money Order or Transaction Number (Payable to TCEQ):	Was fee Paid online?	☐ YES X NO						
Company name of check:	Fee amount:	\$100						
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION								
Note: If claiming one of the following PBRs, complete this section, then skip to Section V		aistration" helow						
		_						
	Animal Feeding Operations § 106.161 Livestock Auction Facilities § 106.162 Saw Mills § 106.223							
Grain Handling, Storage and Drying § 106.283 Auto Body Refinishing Facilities § 1 A. Is the applicable PBR checklist attached which shows the facility meets all general and s		cinerator § 106.496 YES NO						
A. Is the applicable PBR checklist attached which shows the facility meets all general and s the PBR(s) being claimed? (If submitting electronically, click "YES".)	pecific requirements of	LI YES LI NO						
B. Distance from this facility's emission release point to the nearest property line:		feet						
Distance from this facility's emission release point to the nearest off-property structure:		feet						
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REG	-							
Registrants must be in compliance with all applicable state and federal regulation		m a PBR.						
A. Is Confidential information submitted and properly marked "CONFIDENTIAL" with the	is registration?	☐ YES X NO						
B. Is a process flow diagram or a process description attached?		X YES 🗖 NO						
C. Are emissions data and calculations for this claim attached?		X YES 🗖 NO						
D. Is information attached showing how the general requirements (30 TAC § 106.4) of th	e PBR is met for this	X YES I NO						
Registration? (PBR checklists may be used, but are optional)								
Note: Please be reminded that if the facilities listed in this registration are subject to the Mo	-							
30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities mus	t possess NO _x allowance	s equivalent to the						
actual NO _{x,} emissions from these facilities.								
E. Is information attached showing how the specific PBR requirements are met for this re	gistration?	X YES 🗖 NO						
(PBR checklist may be used, but are optional)								
F. Distance from this facility's emission release point to the nearest property line:								
Distance from this facility's emission release point to the nearest off-property structure:		270 feet						
Note: In limited cases, a map or drawing of the site and surrounding land use may be request of the TCEO Regional Office or local air pollution control program during an inve		ai review or at the						

TCEQ 20182 (Revised 02/07) Form PI-7 CERT
This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE: DATE: 4//6/0

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

Who	Where	What
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087	Originals Form PI-7, Core Data Form. and all attachments
X Sum (12 mer)	Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123	
	(do not follow fax with paper copies)	
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form P1-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

Company Name: CES Environmental Services, Inc.					
Checklist completed by: The WCM Group, Inc.	Date:	04/09/2008			
Facility Type: Tank Spot Vessel Cleaning & Waste Processing					
Permit(s) by rule claimed: 30 TAC Chapter §106: 261, 262, 472, 532					
Project Description (including equipment, materials, and brief process description):					

This project installs a treatment tank and associated chemical storage vessels to process a sulfurized isobutylene wastewater stream through oxidation, acidification and chemical treatment. The settled solution is then separated for solid and liquid disposal.

СО	0.00	NO _X	0.00	VOC	0.38
PM	0.00	SO ₂	0.00	Other (H ₂ O ₂)	0.005

The following questions require a "Yes" or "No" answer to be indicated for this permit by rule claim:

A. Title 30 TAC § 106.4(a)(5): Current Permit by Rule Requirements

Yes X No

Have you checked to determine if this exempt project is being claimed under the current version of 30 TAC 106?

If "Yes", continue to next question If "No", please contact the Air Permits Division for a copy of the current permit by rule to be claimed.

B. Title 30 TAC § 106.4(a)(7): Permit by rule prohibition check

Yes No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule?

If "No", continue to next question

If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit.

A new permit or permit amendment may be required.

List permit number(s):

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of §1 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

- A. dividing a complete project into separate segments to circumvent §106.4(a)(l) limits;
- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.

Yes \square No X Does your project meet any of the criteria listed above?

If "No", continue to next rule question If "Yes", a permit y rule may not be claimed.

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No The maximum emissions from all facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist.



Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

·	
Electronic Submittal - Only enter the PI-7 confirmation number here	if submitting electronically.
Hard-Copy Submittal - Print and complete the following checklist.	

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

CI	HECK THE MOST	APPROPRIATE ANSWER							
	Is a description or checklist of how this claim meets the general requirements for the use of PBRs in X YES \(\subseteq NO \subseteq N/A \) 30 TAC § 106.4 attached?								
b 1	Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project								
b 2	Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard permit? If "YES," this PBR cannot be used to authorize emissions from the project □ YES X NO □N/A								
al	Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located?								
a2	Are total new or increased emissions, including fugitives, less than or equal to 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials (check all that apply):								
0000000000000000	acetylene argon butane crude oil carbon monoxide cyclohexane cyclohexene cyclopentan ethyl acetate ethanol ethyl ether ethylene refinery petroleum frac fluorocarbons Number	helium isohexane isopropyl alcohol methyl acetylene methyl chloroform methyl cyclohexane neon nonan oxides of nitrogen propane propyl alcohol propylene ctions (except for pyrolysis naphthas and	propyl ether sulfur dioxide alumina calcium carbonate calcium silicate cellulose fiber cement dust emery dust glycerin mist gypsum iron oxide dust kaolin pyrolysis gasoline) containing less	000000000	limestone magnesite marble pentaerythritol plaster of paris silicon silicon carbide starch sucrose zinc stearate zinc oxide ten volume percent benzene				
├	fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116 Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance Limitations)? List chemical: L value: L value:								
	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical X YES NO N/A not listed or referenced in Table 262? List chemical: isobutylene								

	Are total new or increased emissions, including fugitives, of a chemical with a limit value of less than 200 mg/m³? If "Yes" the authorization of the chemical is not allowed under this section. We suggest you use 30 TAC §106.262 to authorize the emissions, if applicable.	□ YES □ NO X N/A				
a4	Are there any changes to or additions of any existing air pollution abatement equipment?	□ YES X NO □N/A				
a5	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	□ yes X no □n/a				
а6	Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.					
a7	Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one):					
	 Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. 					



Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.262 (30 TAC § 106.262) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air permits.html.

CHECK THE MOST APPROPRIATE ANSWER						
	Is a description or checklist of how this claim meets the general requirements for the use of PBRs in 30 TAC § 106.4 attached?			X YES	□ NO	□ N/A
	Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project.			☐ YES	XNO	□ N/A
b2.	Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard perm? If "YES," this PBR cannot be used to authorize emissions from the project.				X NO	□ N/A
c.	Is the facility authorized under another section of this chapter or under a standard permit? If "YES," subsection (a)(2) and (3) of this section may be used to qualify the use of other chemicals at the facility.			X YES	□ NO	□ N/A
al.	Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located?			X YES	□ NO	□ N/A
a2.	Are new or increased emissions, including fugitives, emitted in a quantity less than five tons per year or in a quantity less than E as determined by using the equation E=L/K? See Table 262 Figures 1 and 2. If "YES," the notification shall include a description of the project, calculations for all emissions being claimed under this PBR:				□ N/A	
	Chemical: hydrogen peroxide L value: 1.4 D: 270			K:157		
a3.	a3. Is this checklist attached to a Form PI-7 within ten days following the installation or modification of the facilities? If "YES," the notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, and a description of pollution control equipment, if any			X YES	□ NO	□ N/A
a4.				☐ YES	X NO	□ N/A
□ acrolein □ diazomethane □ allyl chloride □ diborane □ ammonia (anhydrous) □ diglycidyl ether □ arsine □ dimethylhydrazine □ boron trifluoride □ ethyleneimine □ bromine □ ethyl mercaptan □ carbon disulfide □ fluorine □ chlorine □ formaldehyde (anhydrous) □ chlorine dioxide □ hydrogen bromide □ chlorine trifluoride □ hydrogen chloride □ chloroacetaldehyde □ hydrogen fluoride □ chloroprene □ hydrogen selenide			hydrogen sulfide ketene methylamine methyl bromide methyl hydrazine methyl isocyanate methyl mercaptan nickel carbonyl nitric acid nitric oxide nitrogen dioxide oxygen difluoride	ozone pentaborne perchloromethyl mercaptan perchloryl fluoride phosgene phosphine phosphorus trichloride selenium hexafluoride stibine liquefied sulfur dioxide sulfur pentafluorid tellurium hexafluoride		

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

	Are all facilities are located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor?				□ NO	□ N/A
	Are the cumulative amount of any of the following chemicals resulting from one or more authorizations under this section (but not including permit authorizations) less than or equal to 500 pounds on the plant property?				□ NO	□ N/A
	Are all listed chemicals handled only in unheated containers operated in compliance with the United States Department of Transportation regulation (49 Code of Federal Regulation, Parts 171-178)?				□ NO	□ N/A
	Are any changes to or additions of any existing air pollution abatement equipment?				□ NO	□ N/A
a5.	. Are there any changes to or additions of any existing air pollution abatement equipment?			☐ YES	□ NO	□ N/A
a6.	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater that 5.0% opacity in any six-minute period?			☐ YES	□ NO	□ N/A
	D, Feet	K				
	100	326	E=maximum allowable hourly emission, and never to exceed 6	pounds per	hour.	
	200	200				
	300	139				
	400	104				
	600	. 65				
	700	54				
	800	46	K=value from the table on this page. (interpolate intermediate	values)		
	900	39				
I	,000	34				
2	2,000	14	D=distance to the nearest off-plant receptor			
3	3,000 or more	8				

TABLE 262 LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING § 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for new Construction or Modification).

•	•
Compound Acetone	Limit (L) Milligrams Per Cubic Meter 590.
Acetaldehyde	9.
Acetone	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptain	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound	Limit (L) Milligrams Per Cubic Meter
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350.
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous-precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succiononitrile	20.
Tolidin	0.02
Trichloroethylene	135.
Trinethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (AGGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.



Texas Commission on Environmental Quality

Exemption §106.472 Checklist (Previously Standard Exemption 51)

Organic Liquid Loading and Unloading

The following checklist is designed to help you confirm that you meet §106.472, previously Standard Exemption 51 (STDX 51), requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Exemption §106.472, previously Standard Exemption 51. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

<u>YES</u>	<u>NO</u>	<u>NA</u>	DESCRIPTION
<u>X</u>	-	_	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106, Subchapter A checklist is available)?
<u>X</u>	_	_	Are all the facilities claimed for exemption specifically named in the general section of §106.472, previously STDX 51? (This exemption has been interpreted to allow mixing or blending but not chemical reaction in tankage.)
<u>X</u>	_		Is the equipment designed to prevent visible emissions?
<u>X</u>		_	Are all the chemicals to be loaded, unloaded, or stored described in §106.472, previously STDX 51(a) - (i)? Attach a list of the chemicals and identify the appropriate item of §106.472, previously STDX 51 that applies. Include additional supporting data. For example, a §106.472, previously STDX 51(i), claim should identify initial boiling points of all compounds to be covered.
_		<u>X</u> _	Will aqueous ammonia solutions, hydrochloric acid, or acetic acid be vented through a water scrubber?
_	_	X	Are facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees F or greater listed in 40 CFR 261, Appendix VIII, located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? List these compounds and show their handling location on an attached scaled plot plan.

FIGURE 1 TOPOGRAPHIC MAP

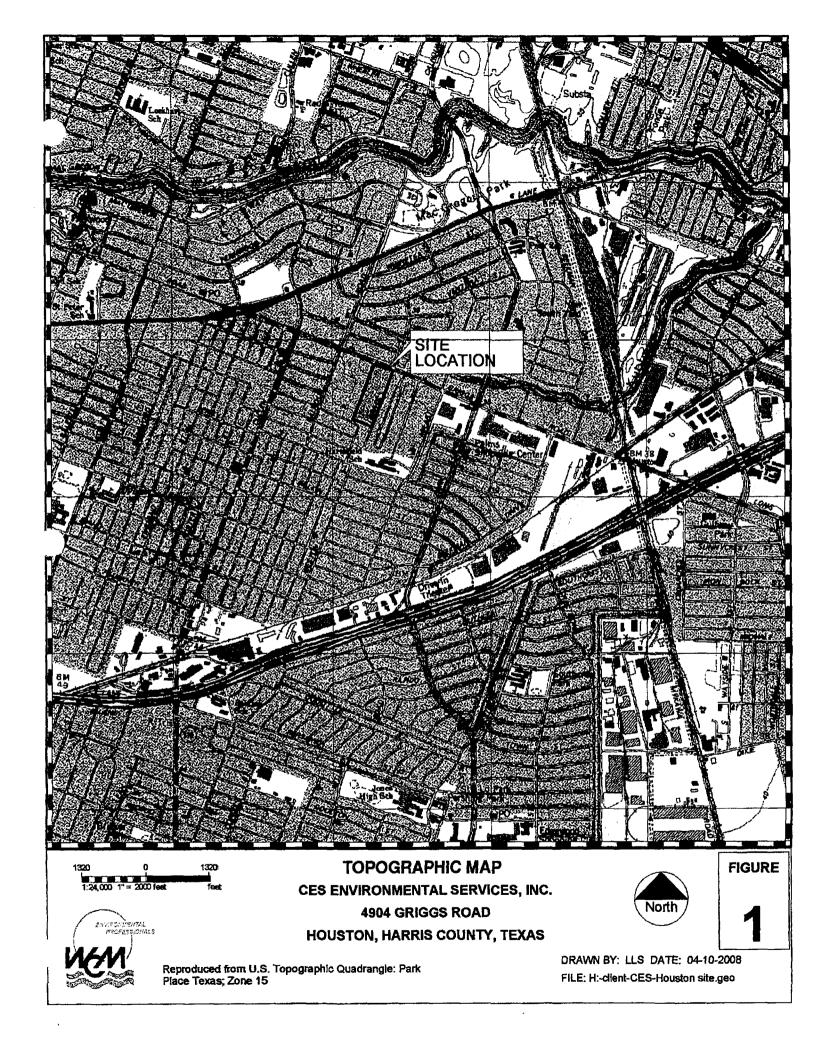


FIGURE 2 FACILITY SITE PLAN

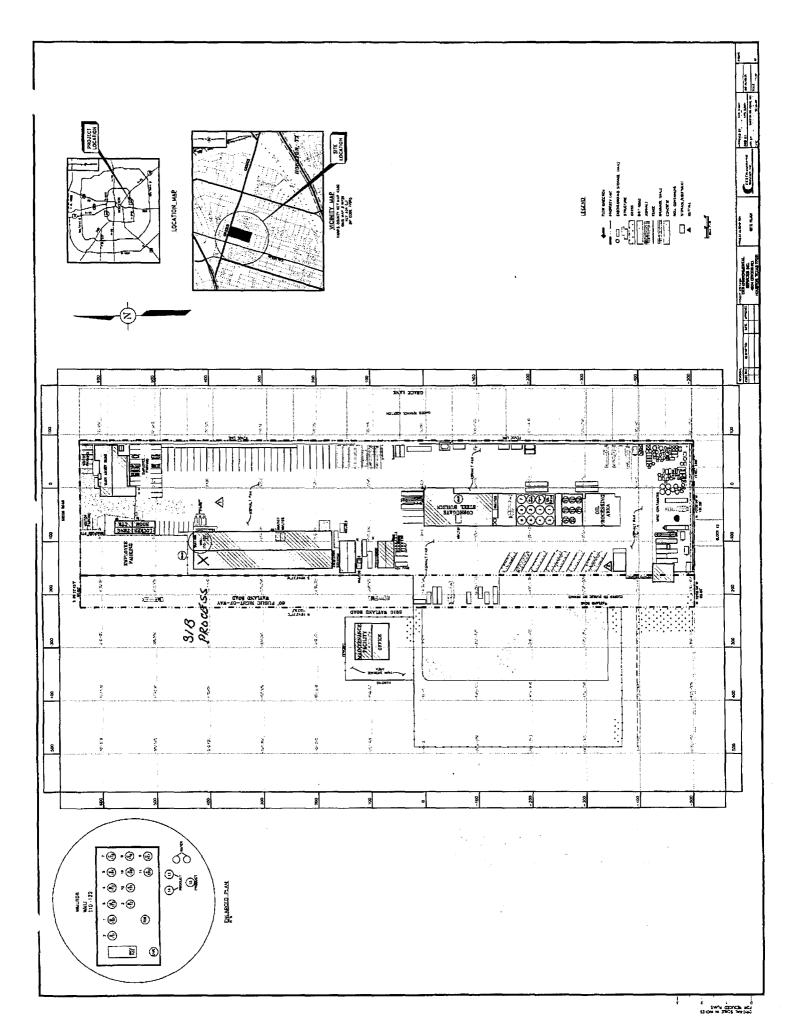
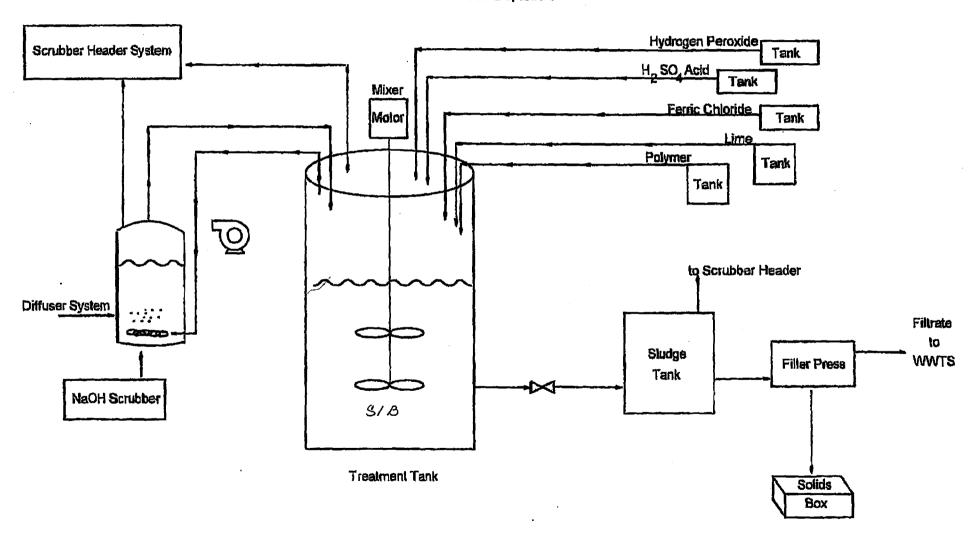


FIGURE 3 PROCESS FLOW DIAGRAM

CES Environmental Services, Inc.

SIB Rinse Water Treatment Process Flow Diagram March 28, 2008



Buddy Garcia, Chairman Larry R. Soward, Commissioner Bryan W. Shaw, Ph.D., Commissioner Mark R. Vickery, P.G., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 3, 2008

MR MATT BOWMAN
PRESIDENT
CES ENVIRONMENTAL SERVICES INC
4904 GRIGGS RD
HOUSTON TX 77021

Standard Permit Registration Number:

86272

Renewal Date:

October 3, 2018 4904 Griggs Road

Location: City/County:

Houston, Harris County

Project Description/Unit:
Regulated Entity Number:

Thermal Oxidizer RN100693282

Customer Reference Number:

CN600618946

New or Existing Site:

Existing

Affected Permit (if applicable):

15980 and 83798

Standard Permit Type:

Pollution Control Project

CES Environmental Services Inc has registered the emissions associated with the installation and operation of a Thermal Oxidizer (EPN TO-1) under the standard permit listed above as authorized by the Commissioners pursuant to Title 30 Texas Administrative Code § 116.602 (30 TAC § 116.602). Emissions are listed on the attached table.

For rule information see www.tceq.state.tx.us/permitting/air/nav/standard.html.

You are reminded that 30 TAC § 116.615 requires that any construction or change authorized by this standard permit should be consolidated into the affected facilities' permit(s) at the next amendment or renewal.

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized by this standard permit.

As of July 1, 2008, all analytical data generated by a mobile or stationary laboratory in support of compliance with air permits must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory under the Texas Laboratory Accreditation Program or meet one of several exemptions. Specific information concerning which laboratories must be accredited and which are exempt may be found in 30 TAC §§ 25.4 and 25.6.

For additional information regarding the laboratory accreditation program and a list of accredited laboratories and their fields of accreditation, please see the following website:

http://www.tceq.state.tx.us/compliance/compliance support/ga/env_lab_accreditation.html

Mr. Matt Bowman Page 2 October 3, 2008

Re: Standard Permit Registration Number 86272

For questions regarding the accreditation program, you may contact the Texas Laboratory Accreditation Program at (512) 239-3754 or by email at labprgms@tceq.state.tx.us.

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. If you have questions, please contact Ms. Rahel Tadesse at (713) 767-3770. This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

Anne M. Inman, P.E., Manager

Rule Registrations Section

Air Permits Division

Texas Commission on Environmental Quality

cc: Bureau Chief of Air Quality Control, Health and Human Services Department, City of Houston, Houston

Director, Environmental Public Health Division, Harris County Public Health and Environmental Services, Pasadena

Air Section Manager, Region 12 - Houston

Project Number: 141183

Standard Permit Maximum Emission Rates Table Permit Number 86272

The facilities and emissions included in this table have been represented and reviewed as the maximum emissions authorized by this standard permit registration.

Emission		Air	Emission Rates		
Point No.	Facility or Source Name	Contaminant*	lb/hr	TPY	
TO-01	Thermal Oxidizer	NOx	0.42	<0.01	
		СО	0.83	<0.01	
		SO_2	0.03	0.14	

The maximum operating schedule represented for these facilities is:

hours/day	days/week	weeks/year	hours/year
24	7	52	8,760

* VOC - volatile organic compounds

PM - total particulate matter

PM₁₀- particulate matter equal to or less than 10 microns in size

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

**Fugitive emissions are an estimate only and should not be considered as a maximum allowable.



FAX TRANSMITTAL PAGE

TO: Mr. Donald D. Nelon

COMPANY: TCEQ

CLIENT: CES Environmental Services, Inc.

FROM: Mr. Philip Evans

DATE SENT: 9/26/2008

FAX NO: 512-239-1300

PAGE: 1 of 46

PROJ CODE: CES-HOU-PBR

FAX NO: (281) 446-3348**

5330016.fax.doc

COMMENTS: Air Standard Permit Registration

Dear Mr. Nelon:

Please find attached an Air Standard Permit Registration to authorize a voluntary pollution control project pursuant to 30 TAC 116.617. On behalf of CES Environmental Services, Inc., we respectfully request an expedited review.

Thank you,

Philip Evans

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone, and return the original message to us at the address below via the U.S. 5330016.fax.doc Postal Service. Thank you.

**Call (281) 446-7070 immediately if copy is incomplete or illegible when received and ask for Fax operator.

Confirmation Report - Memory Send

Page : 001

Date & Time: 09-26-08 03:17pm Line 1 : +281 446 3348 Machine ID : WCM GROUP INC.

Job number

: 606

Date

: 09-26 03:09pm

To

: **2**15122391300--533

Number of pages

. 048

Start time

: 09-26 03:09pm

End time

: 09-26 03:17pm

Pages sent

: 046

Status

: OK

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: 606

*** SEND SUCCESSFUL ***

TRANSMITTAL APPROVAL PARE



FAX TRANSMITTAL PAGE

TO: Mr. Donald D. Nelon

COMPANY: TCEQ

CLIENT: CES Environmental Services, Inc.

FROM: Mr. Philip Evans DATE SENT: 9/26/2008 FAX NO: 512-239-1300

PAGE: 1 of

PROJ CODE: CES-HOU-PBR

FAX NO: (281) 446-3348**

6330018,fex.doc

COMMENTS: Air Standard Permit Registration

Dear Mr. Nelon:

Please find attached an Air Standard Permit Registration to authorize a voluntary pollution control project pursuant to 30 TAC 116.617. On behalf of CES Environmental Services, Inc., we respectfully request an expedited review.

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Philip Evans

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**Call (281) 446-7070 immediately if copy is incomplete or illegible when received and sak for Fax operator.

F.O. BOX 3247, Humble, TX 77347-3247 Tel (281) 446 - 7070 Fax: (281) 440 - 3346 8602 FM 1980 Bypess, Suite 200. Humble, TX 77338



September 26, 2008

Mr. Donald D. Nelon Air Permits Initial Review Team (APIRT) MC-161 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY 12100 Park 35 Circle Austin, TX 78753

Reference:

Air Standard Permit Registration CES Environmental Services, Inc. CN600618946; RN100693282

4904 Griggs Road

Houston, Harris County, Texas

Dear Mr. Nelon:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation authorizing the operation of a Thermal Oxidizer under Standard Permit No. 6001. The unit is being installed voluntarily as an additional measure to mitigate potential odors in the existing oil processing area currently authorized under Permit-By-Rule Registration No. 83798.

The signed PI-1S and a check for \$900 will be sent under separate cover. If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Mat Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/tv 27179:5330016.let.doc

Enclosure

cc:

M. Bowman

L. Vasse

B. Allen

AIR STANDARD PERMIT THERMAL OXIDIZER

Prepared for CES ENVIRONMENTAL SERVICES INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

September 2008

AIR STANDARD PERMIT THERMAL OXIDIZER

Prepared for CES ENVIRONMENTAL SERVICES INC. Houston, Harris County, Texas

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3 -	THERMAL OXIDIZER PLAN VIEW
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A -	EMISSION CALCULATIONS
В -	THERMAL OXIDIZER VENDOR INFORMATION

5330016.rpt.doc

INTRODUCTION

CES Environmental Services Inc. (CES) operates a tank container cleaning and oil processing facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and a series of Permits-By-Rule (PBRs).

CES is submitting the enclosed documentation to authorize the installation and operation of a regenerative thermal oxidizer in the oil processing area. The unit is being installed voluntarily as an additional measure to mitigate potential odors. The oil processing area processes oil received from off-site to remove water, light ends and other impurities. The thermal oxidizer will provide additional odor abatement as needed for the transfer, storage and distillation equipment associated with the process.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. PBR Registration No. 83798 previously authorized the VOC emissions that provide the potential loading for the thermal oxidizer. The combustion emissions include nitrogen oxides (NO_x) of 0.002 tons per year and carbon monoxide (CO) of 0.004 tons per year. The project is not major by itself and does not result in reclassification of the site as a major source.

A PI-1S Form and Table 1(a) are provided in the Forms section of this report. A site location map, facility plot plan, and thermal oxidizer plan view are included in the Figures section. Emission calculations are provided in Attachment A.

1.0 PROCESS DESCRIPTION

The regenerative thermal oxidizer is an Anguil Environmental Systems, Inc. Unit Model AES-9859. It is designed to raise the temperature sufficient to oxidize the volatile organic compounds converting them to carbon dioxide and water vapor. The 95% destruction efficiency is achieved by maintaining the minimum temperature required in the oxidation chamber over a prescribed amount of time.

During operation, the system fan draws the vent stream through the ceramic packing where it is heated then into the burner chamber supplies additional heat to elevate the vent stream to the VOC oxidizing temperature. The vent stream passes into the oxidation chamber where the VOC are converted to carbon dioxide and water vapor. The hot purified air then passes through the exit bed of the ceramic packing. Finally, the contaminant-free air is exhausted into the atmosphere with the system fan. After the entry bed cools sufficiently and the exit bed heats sufficiently, automatic valving is used to switch the direction of flow through the oxidizer, making the hot exit bed now the entry bed and the cooled entry bed now the exit bed.

Control system components include the fuel train, flame supervision, fresh air and process stream units. The variable speed drive works with the flow and pressure controllers to regulate the firing rate as needed for the temperature control. Further control details are found in the vendor information provided in Attachment B.

2.0 EMISSIONS SUMMARY

The emissions associated with this Standard Permit Registration are the products of combustion of certain vent streams from the existing oil processing operation. The sources that may vent to the thermal oxidizer include oil processing tanks, centrifuge and distillation system. A summary of the equipment that may be controlled by the thermal oxidizer is included Attachment B. The oil processing operation, equipment and associated VOC emissions were previously authorized under PBR Registration No. 83798.

The oil and light ends materials entering the facility can contain significant quantities of water yet the emissions were conservatively calculated assuming only the organic components. Tanks emissions were calculated using methods specified in AP-42 using the average molecular weight and constituent vapor pressure. Transfers of light ends between the process and truck tanks is vapor balanced back to the storage tank so there are no emissions from loading activities.

Combustion of the volatile organic vents and the natural gas fuel result in emissions of NO_X and CO. Emission calculations are provided in Attachment A.

FORMS



Texas Commission on Environmental Quality Registration for Air Standard Permit Form PI-1S

I.	REGISTRANT I	NFORMATION	1					
A.	Is a TCEQ Core Data I If "NO," please indica	•	m No. 104	00) attached?			☐ YES 🛛 NO	
Cus	stomer Reference No.: C	N600618946			Regulated Entity No	.: RN10069328	2	
В.	Company or Other Leg		ne (must be	same as Co	re Data "Customer")):		
_	CES Environmental					land a l	1	
	mpany Official Contact		vman			Title: Presi	dent	
 	iling Address: 4904 Gr	iggs Road						
1-	y: Houston	- I		te: Texas	—		Code: 77021	
⊩	one No.: 713-676-1460	.: 713-676-	1676	E-mail: mbowman@		<u>ital.com</u>		
C. Technical Contact Name: Philip Evans					Title: Director, Tech	nnical Services		
⊩ —	mpany: The WCM Grou					···		
[iling Address: P.O. Box	3247						
 	y: Humble			te: Texas	T		Code: 77347-3247	
	one No.: 281-446-7070		.: 281-446-	5-3348 E-mail: pevans@wcmgroup.com				
	Facility Location Infor	<u> </u>						
fr	o street address, provide	e written driving	directions t	to the site: (A	Attach description if a	additional space	e is needed.)	
L								
Ci	ty: Houston	Count	y: Texas		Zip Code: 77021			
п.	FACILITY AND	SITE INFORM	IATION					
A.	Name and Type of Fac	cility: CES Envir	onmental S	ervices, Inc.		□ Perman	ent Portable	
В.	Type of Action	☑ Initial Appl	ication	☐ Change to Registration Registr		Registratio	on No.:	
	•	Renewal	"	Expiration 1	Date:			
C.	Standard Permit Claim	ned: 6001		Description: Pollution Control Projects				
D.	Concrete Batch Plant (Check one)	Standard Permit	Centra	al Mix 🗌 Ro	eady Mix 🗌 Specialt	-	nced Controls for Concrete th Plants	
E.	Proposed start of cons	truction: Septen	ber 2008	Length of t	ime at the Site: perm	anent		
F. Is there a previous Standard Exemption or Permit by Rule for the facilities in this registration? (Attach details regarding changes)				⊠ YES []NO	If "YES," 1	st Permit No.: 83798	
G. Are there any other facilities at this site which are authorized by an air Standard Permit?			☐ YES 🏻	NO	If "YES," l	st Permit No.:		
H.	Are there any other air this site?	preconstruction	permits at	⊠ YES [] NO	If "YES," l Exemption	ist Permit No.: Permit X-15980	
	Are there any other air this site that would be project?			☐ YES ⊠] NO	If "YES," I	ist Permit No.:	



Texas Commission on Environmental Quality Registration for Air Standard Permit Form PI-1S

II. FACILITY AND SITE INFORMATION (continued)
II. FACILITY AND SITE INFORMATION (conunueu)
I. TCEQ Account Identification Number (if known): HG-1270-B
J. Is this facility located at a site which is required to obtain a federal operating permit PYES NO To be determined pursuant to 30 TAC Chapter 122?
K. Identify the requirements of 30 TAC Chapter 122 that will be triggered if this Form PI-1S application is approved.
Application for an FOP FOP Significant Revision FOP Minor
Operational Flexibility/Off-Permit Notification Streamlined Revision for GOP To be determined None
L. Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. (check all that apply)
SOP GOP application/revision application: submitted or under APD review
SOP application/revision application: submitted or under APD review N/A
III. FEE INFORMATION
Check/Money Order/Transaction No.:
Name on Check: CES Environmental Services, Inc.
Fee Amount: \$900
IV. PUBLIC NOTICE (If applicable)
A. Is the plant located at a site contiguous or adjacent to the public works project? ☐ YES ☒ NO
B. Application in Public Place N/A
Name of Public Place:
Physical Address:
City: County:
C. Small Business Classification:
D. Concrete batch plants with enhanced controls permanent rock crushers, and animal carcass incinerators shall place a copy of the technically complete application at the appropriate TCEQ regional office only.
E. Please furnish the names of the state legislators who represent the area where the facility site is located:
State Senator: State Representative:
F. For Concrete Batch Plants, name of the County Judge for this facility site: N/A
County Judge:
Mailing Address:
City: State: Zip Code:
G. For Concrete Batch Plants, is the facility located in a municipality and/or extraterritorial jurisdiction of a municipality?
If "YES," list the name(s) of the Presiding Officer(s) for the municipality and/or extraterritorial jurisdiction:
Mailing Address:
City: Zip Code:



Texas Commission on Environmental Quality Registration for Air Standard Permit Form PI-1S

()	TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REGULATORY REQUIREMENTS egistrants must be in compliance with all applicable state and federal regulations and standards to claim a Standard Permit.									
A. Is confidential i	nformation submitted and properly marked with this registration?	☐ YES 🛭 NO								
B. Is a process flow	w diagram or a process description attached?	☑ YES □ NO								
C. Is a plot plan at	ached?	☑ YES □ NO								
D. Are emissions d	ata and calculations for this claim attached?	⊠ YES □ NO								
E. Is information a	ttached showing how the general requirements and applicability (30 TAC § 116.610 et?	and YES NO								
F. Is information a	☐ YES ☐ NO									
VI. SIGNATU	/I. SIGNATURE REQUIREMENTS									
my knowledge and to not in any way viola of the air quality rule resolution enacted p CRIMINAL OFFEN	indicates that I have knowledge of the facts herein set forth and that the same are true belief. I further state that to the best of my knowledge and belief, the project for which te any provision of the Texas Water Code (TWC), Chapter 7, Texas Clean Air Act (Tes and regulations of the Texas Commission on Environmental Quality or any local goursuant to the TCAA. I further state that I have read and understand TWC §§ 7.177-7 ISES for certain violations, including intentionally or knowingly making or causing to entations in this application, and TWC §§ 7.187, pertaining to CRIMINAL PENALTI	application is made will CAA), as amended, or any overnmental ordinance or .183, which defines be made false material								
PRINT NAME:	Gry Burgs SIGNATURE: How	DATE: <u>\$\frac{2}{25}/c</u>								
	NOTE: ORIGINAL SIGNATURE IN I	VK IS REQUIRED								
VII. COPIES C	OF THE REGISTRATION									
Copies must be sent	as listed below. Processing delays will occur if copies are not sent as noted.									
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC 161, P.O. Box 13087, Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor, Austin, Texas 78753 (512) 239-1250	Original Money Order or Check, a Copy of Form PI-1S and Core Data Form; all attachments								
Revenue Section, TCEQ	venue Section, Regular, Certified, Priority Mail Original Money Order or									
Appropriate TCEQ Regional Office	To find your regional office address, go to the TCEQ Web site at www.tceq.state.tx.us/comm_exec/forms_pubs/pubs/gi/gi-002.html , or call (512) 239-1250	Copy of Form PI-1S, Core Data Form, and all attachments								
Appropriate Local Air Pollution	To find your local air pollution control programs go to the TCEQ, APD Web site at www.tceq.state.tx.us/cgi-bin/permitting/air/tps-ost/localprograms/localprograms.pl,	Copy of Form PI-1S, Core Data Form, and all								

TCEQ 10370 (Revised 07/08) PI-1S Form
This form is for use by sources subject to air quality permit standards and may be revised periodically. (APDG-5676 v2)

Page of



Air Quality Standard Permits (SP) State Pollution Control Project Requirements Checklist Title 30 Texas Administrative Code § 116.617

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The SP forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division web site at: www.tceq.state.tx.us/permitting/air/nav/standard.html.

This Standard Permit requires registration with the commission's Office of Permitting, Remediation, and Registration in Austin. The facilities and/or changes to facilities can be registered by completing a <u>Form PI-1S</u>, "Registration for Air Standard Permit." This checklist should accompany the registration form.

	CHECK THE MOST APPROPRIATE ANSWERS	AND FILL IN THE BLANKS	
Rule	Questions/Description	Information	Response
116.617	Have you completed the Standard Permit General Requirements Checklist?		⊠ YES □ NO
116.617 (d)(2)(C)	Please list all existing permits and registrations affected by this project and attach a description of how the standard permit will be administratively incorporated into the existing permit(s).		
116.617(a)(1) 16.617(b)(5)	Will this project reduce or maintain currently authorized emission rates for facilities authorized by a permit or standard permit?		⊠ yes □ no
	If "NO," are any increases solely due to the SP project?		☐ YES ☐ NO
116.617(a)(3)(A)	Will this project include completely replacing or reconstructing an existing production facility?		☐ YES ☒ NO
	If "YES," you may not claim this standard permit.		
116.617 (a)(3)(C)	Will implementing this project serve to return a facility or group of facilities to compliance with an existing authorization or permit?		☐ YES 🖾 NO
	If "YES," you cannot use this SP, you must amend the facility's original permit or authorization.		
116.617(a)(1)	Is this pollution control project undertaken voluntarily?		☑ YES ☐ NO
116.617(a)(1)	Is this pollution control project undertaken to meet a governmental standard?		☐ YES ⊠ NO
	If "YES," list governmental standard:		
116.617(d)(2)(D)	Will the project result in any changes to currently authorized emission rates?		☐ YES 🖾 NO
	If "YES," attach documentation listing affected EPNs and rate changes.		

TCEQ 20334 (Revised 10/06) State Pollution Control Project Requirements Checklist 116.617 This form is used by sources subject to air quality permits requirements and may be revised periodically. (APDG 5804 v1)



Air Quality Standard Permits (SP) State Pollution Control Project Requirements Checklist Title 30 Texas Administrative Code § 116.617

	CHECK THE MOST APPROPRIATE ANSWERS A	AND FILL IN THE BLANKS	·
Rule	Questions/Description	Information	Response
116.617(a)(2) (A-B)	Are you implementing or changing a method of control?		⊠ YES □ NO
,	If "YES," have you demonstrated equivalence or improvement in attached documentation?	·	⊠ YES □ NO
116.617 (a)(2)(C)	Are you substituting a compound in a manufacturing process?		□ YES 🖾 NO
	If "YES," have you demonstrated equivalence or improvement in attached documentation?		☐ YES ☐ NO
116.617(b)(2)	Will construction or implementation of the pollution control project begin within 180 days of receiving written acceptance of the registration from the executive director?		⊠ YES □ NO
116.617(b)(4)	Are predictable maintenance, startup, and shutdown emissions directly associated with the pollution control project included in this project?		□ yes 🛭 no
	If "YES," attach documentation showing that MSS was authorized under the existing permit or authorization.		
116.617(b)(5)	Are all capacity increases solely due to the project as represented in the registration application?		⊠ YES □ NO
	If "NO," you may not claim this standard permit.		
116.617(c)(1-3)	Are you replacing emissions control equipment (like-kind replacements or upgrades)?		☐ YES 🖾 NO
	If "NO," skip to next question.		
	If "YES," have you demonstrated equivalence or improvement in attached documentation?		☐ YES ☐ NO
	Will current testing and record keeping requirements be appropriate for the new control equipment or technique?		☐ YES ☐ NO
	If "NO," have you attached details of any proposed changes?		☐ YES ☐ NO





TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Table 1(a) Emission Point Summary

Date: September 2008	Permit No.: N/A	Regulated Entity No.: 100693282
Area Name: Oil Processing Area		Customer Reference No.: 600618946

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

	AIR CONTAMINANT DATA									
			2. Component or Air Contaminant Name	3. Air Contaminant Emis	sion Rate					
(A) EPN	(B) FIN	(C) NAME		(A) Round Per Hour	(В) ТРҰ					
TO-1	TO-1	Thermal Oxidizer	1	0.420	0.002					
TO-1	TO-1	Thermal Oxidizer	co .	0.827	0.004					
TO-1	TO-1	Thermal Oxidizer	SO2	0.032	0.141					
				·						
,		,								

EPAHO043000708



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Table 1(a) Emission Point Summary

Date: September 2008	Permit No.: N/A	Regulated Entity No.: 100693282
Area Name:Oil Processing Area		Customer Reference No.: 600618946

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

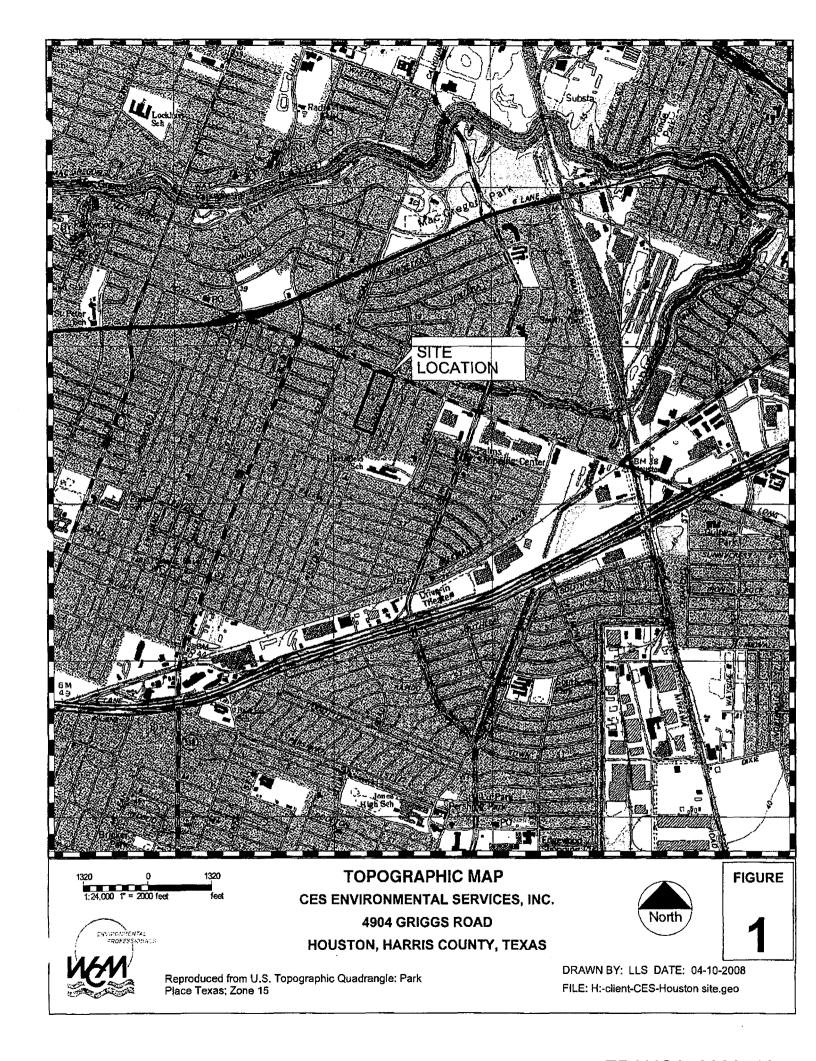
AIR CO	NTAMINA	NT DATA				EMISSION POINT DISCHARGE PARAMETERS							
1. Emis	sion Point	A Section of the sect					Source					nighter.	
				5. Building	6. Height	7. Stack Exi	t Data	4. 其一种 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	8. Fugitives				
(A) EPN	(B) FIN	(C) NAME	Zone	East (Meters)	North (Meters)	Height (ft.)	Aboye Ground (ft.)	(A) Diameter	(B) Velocity (fps)	(C) Temperature (°I)	(A) Length (ft.)	(B) Width (ft.)	(C) Axis Degrees
TO-1	TO-1	Thermal Oxidizer	15	23211	3287546		31	2.83	31.8	1400	N/A	N/A	N/A
									·			<u> </u>	

EPN = Emission Point Number FIN = Facility Identification Number

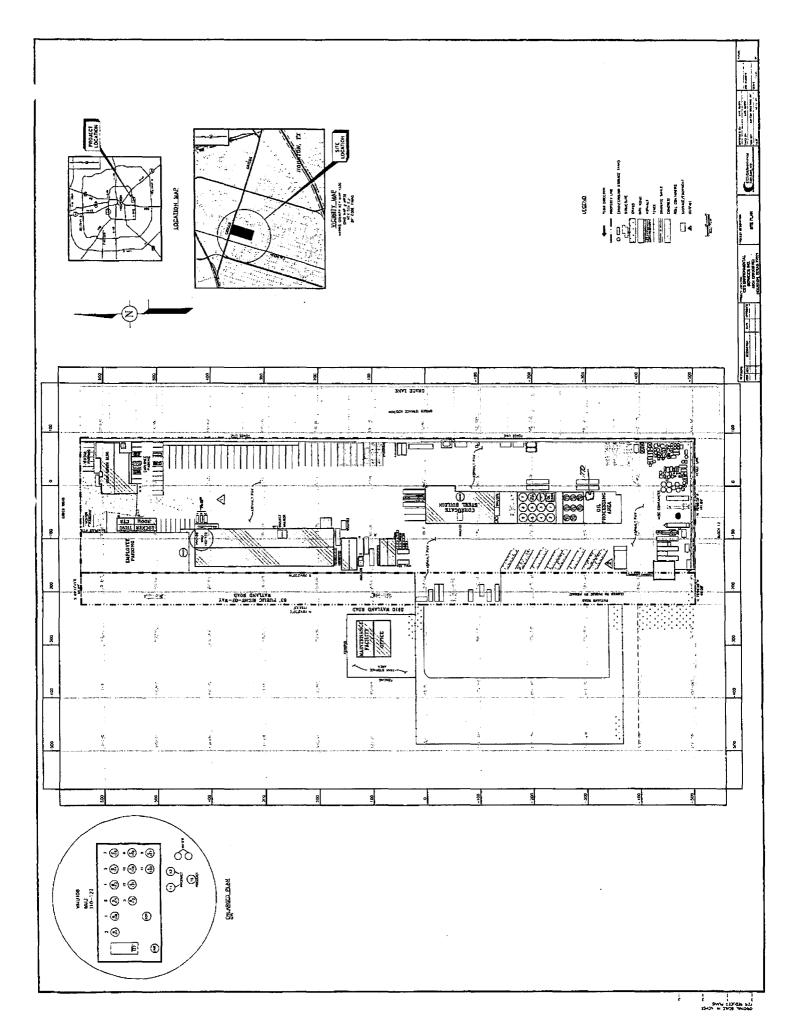
Reset Form

PřintiForm

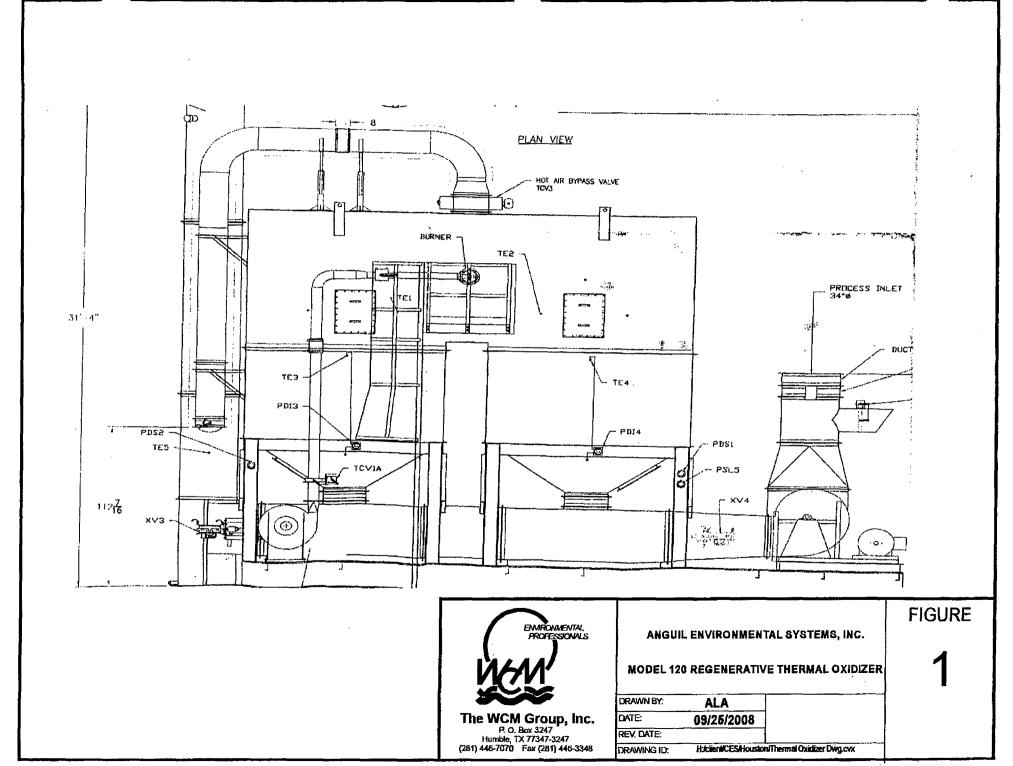
SITE LOCATION MAP



FACILITY PLOT PLAN



THERMAL OXIDIZER PLAN VIEW



ATTACHMENT A EMISSION CALCULATIONS

CES Environmental Services

Houston, TX

Oil Process Thermal Oxidizer Emissions

Emission Summary

Pollutant	Hourly (lb/hr)	Annual (TPY)
NOx	0.420	0.002
co	0.827	0.004
SO2	0.032	0.141

Calculation Methodology

The VOC potential loading is conservatively based on sources in the oil processing area for the purpose of estimating combustion emissions. Source heating value is conservatively based on hexane.

	Vent Rate	Annual Vent	Heating Value
Pollutant	lb / hr	lbs / yr	btu / lb
voc	2.43	1435.69	19245.10

Combustion Emission Calculation

Burner firing rate

3,000,000 BTU /hr

	lb/MMBtu	NOx TPY	NOx lb/hr	lb/MMBtu	CO TPY	CO lb/hr
Vent Gas	0.1380	0.002	0.006	0.2755	0.004	0.000
Burner Gas	0.1380	0.0002	0.414	0.2755	0.0004	0.827
Total	N/A	0.002	0.420	N/A	0.004	0.827

Flare Destruction/Removal Efficiency and Emission Factors are based on TCEQ Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers: RG-109 October 2000 for high BTU non-steam assisted flares.

Vent Gas Sample calculation:

NOx ton/yr: $(19,245 \text{ Btu/lb})^*$ $(0.1380 \text{ lb/MMBtu}) / 1000000^*$ (1,436 lb/yr) / 2000 = 0.002 tpyNOx lb/hr: $(19,245 \text{ Btu/lb})^*$ $(0.1380 \text{ lb/MMBtu}) / 1000000^*$ (2.43 lb/yr) = 0.006 lb/hr

Sulfur Emission Calculation

Vent gas composition

24 ppm sulfur compounds in VOC vent stream 2.43 lb / hr VOC vent rate

0.003 lb / ft3 vapor density

Calculation Basis: IDEAL GAS LAW, PV = nRT

where:

P = pressure (psia)

V = volumetric flow rate (scf /min)

R = Universal Gas Constant

T= Temperature

n = no. of moles of gas

Vent gas sulfur compound portion is 24 ppm

then,

 $n = PV/RT * 60 * 24/10^6$

0.00050 lb mole sulfur / hr

Flare combustion will convert the sulfur compounds in the vent stream to SO2.

To convert to SO2, 1 lb mole SO2 is 64 lb

0.03 lb/hr SO2 0.14 TPY SO2

data

14.7 psia

530.1 R

135 scf /min

10.73 psia scf / lb mole R

CES Environmental Services Houston, TX Oil Process Thermal Oxidizer Emissions

SOURCE SUMMARY						
		VOC Em	issions			
EPN	Description	lb/ hr	ton/yr			
SV-1	Vacuum Distillation System	0.071	0.313			
OT-1	Wet Base Oil Tank	0.107	0.005			
OT-2	Wet Base Oil Tank	0.107	0.005			
ОТ-3	Oily Water Treatment Tank	0.063	0.017			
OT-4	Wet Base Oil Treatment Tank	0.107	0.005			
OT-5	Centrifuge Feed Tank	0.063	0.017			
OT-6	Wet Base Oil Tank	0.107	0.005			
OT-7	Oily Water Tank	0.063	0.017			
OT-8	Oily Water Tank	0.063	0.017			
OT-9	Light Ends Storage	1.498	0.273			
OT-10	Distillation Feed Tank	0.080	0.017			
FO-1	Centrifuged Oil Storage Tank	0.038	0.009			
SV-1	Centrifuge	0.063	0.017			
	TOTAL 2.430 0.718					

Sources that may be controlled by the Thermal Oxidizer.

CES Environmental Services Houston, TX Oil Process Vacuum Distillation

EPN: SV-1

Basis Information:

Emissions calculated as follows:

```
 \begin{aligned} q &= \{ \{ ((((V/100) \times Fm) \ / \ (M \times (Tv/Tx))) \times Mv) \} \times \{1-(e/100)\} \} \\ Q &= ([\{(((V/100) \times Fa) \ / \ (M \times (Tv/Ta))) \times Mv) \} \times \{1-(e/100)\} \}^*)/2000 \end{aligned}
```

q = Quantity of VOC emissions (lb/hr)
Q = Quantity of VOC emissions (ton/yr)
V = VOC concentration (%v estimated)
Fa = Average flow rate of vent gas (cfh)

Fm = Maximum flow rate of vent gas (cfh)

Mv = Vapor molecular weight (lb/lb mole)
M = Molar volume (385 ft/3/mole - Gas Constant)
Tv = Temperature of vent gas (deg. R)

Ta = Annual average ambient temperature (deg. R)

Tx = Highest monthly average ambient temperature (deg. R)

H = Operating time (hr/yr)

e = Control efficiency (%)

MAXIMUM HOURLY EMISSIONS (q):

ANNUAL EMISSIONS (Q):

Material: Oil		Material: Oil				
Input: Emissions: V = 0.68 % q = 0.071	1 lb/hr	Mv = 58.08 M = 393 Tv = 610 Ta = 539 H = 8760	% ft^3/hr lb/lbmole ft^3/mole R	nissions: Q =	0.313	ton/yr

CES Environmental Services Houston, TX Oil Process Tank Emissions

DATA ENTRY								
Tank identification			OT-1	OT-2	OT-3	07-4	OT-5	07-6
EPN			OT-1	OT-2	QT-3	OT-4	OT-5	07-6
Malerial Stored			Base Oil/Water	Base OilWater	Sase Oli/Water	Base Oil/Water	CitVtater	Base Cil/Water
Tank Capacity	Vol., gallons		16,800	16,800	16,800	16,800	15,800	16,800
Throughput	gazons		72,000	72,000	1,200,000	72,000	1,200,000	72,000
Tank Controlled	Yes/No		Ne	No	No	No	No	No
Control Efficiency	e. %		0.08	0.00	0.00	0.00	0.00	0.00
Shell Height	Hs, it		20.0	20.0	20.0	20.0	20.0	20.0
Shell Length	Ls, ft		12.0	12.0	12.0	12.0	12.0	12.0
Orientation	Verticat=1/Hori	izontal=2	1	1	1	1	1	1
Fill Rate	galions/hr		3,000	3,000	3,000	3,000	3,000	3.000
Molecular Weight, Italib-mole			150.000	150.000	150.000	150.000	150.000	150.000
Vapor Pressura & Tin, psia	526.90	R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
Vapor Pressure @ Tla, psia	537.23	R	00700	0.0100	0.0100	0.0100	0.0100	0.0100
Vapor Pressure @ Tbx, psia	547.57	B	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
Max. Vapor Pressure @ Tx. psia.	567.80	R	0.0100	0.0100	0.0100	9.9100	0.0100	0.0100
ESTIMATED EMISSIONS								
Maximum Hourly Losses	Lm, Ib/hr		0.107	0.107	0.063	0.107	0.063	0.107
	Lt, tanlyr		0.0054	0.0054	0.0167	0.0054	0.0157	0.0054
PHYSICAL PARAMETER CALCULA								
Diameter, D Effective dia			12.0	12.0	12.0	12.0	12.0	12.0
Avg. Liquid Height	HI, ft		10.0	10.0	10.0	10.0	10.0	10.0
Max. Liquid Height	Hb, t		19.9	19.9	19.9	19.9	19.9	19.9
Cone Roof Outage	Hro, ft		0.125	0.125	0.125	0.125	0.125	0.125
Vapor Space Outage	Hvo, ft		10.125	10.125	10,125	10.125	10,125	10.125
Vapor space volume	W, tt^3		1144,53	1144.53	1144.53	1144.53	1144.53	1144.53
Breather vent pressure setting	Pbp. psig		0.00	0.00	0.00	0.00	0.00	0.00
Breather vent yacuum setting	Pbv, psig		0.00	0.00	0.00	0.00	0.00	0.00
Gas Constant	R. psta-ft^3/fb	mole-R	10.732	10.732	10.732	10.732	10.732	10.732
Vapor Density	Wv. Ibitirs		0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Daily vapor pressure range	APV, psia		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor space expansion factor	Ke		0.077	0.077	0.077	0.077	0.077	0.077
Vented vapor saturation factor	Ks		0.995	0.995	0.995	0.995	0.995	0.995
Working Loss Product Factor	Кр		1.00	1.00	1.00	1.00	1.00	1.00
Net Annual Throughput	Q, bbl/yr		1,714.3	1,714.3	28,571.4	1,714,3	28,571.4	1,714.3
Tumovers	N		4.3	4.3	71.4	4.3	71.4	4.3
Turnover factor	Kn		1.00	1.00	0.69	1.00	0.59	1.00

Lm = (Lwmax x FR) / (N x Vol) Ls = 365 x W x W x Ke x Ks Lw = 0.0010 x Mv x Pve x Q x Kn, x Kp Lwmax = 0.0010 x Mv x Pvx x Q x Kn, x Kp MAX HRLY LOSSES: STANOING LOSSES: WORKING LOSSES:

UNCONTROLLED

TOTAL HOURLY LOSSES:

TOTAL ANNUAL LOSSES:

Lt. = (Ls + Lw) Lt. = (Ls + Lw) / 2000 lb/ton

METEROCOGICAL CALCOLATIONS:				
Data Location	Houston, TX	ANNUAL,	MAX HRLY	
Daily avg. liquid surface temp, R	Tal	537.23	554.97	
Daily avg. ambient temp, R	Taa	528.25	543.05	
Liquid bulk temp, R	TD	531.33	545.13	
Oaily solar insulation factor, Bluft'2 day	1	1351	1898	
Atmospheric pressure, psia	Pa	14.7	14,7	
Daily max. ambient temp, R	Tax	539.1	553.6	
Dally min. ambient temp, R	Tan	517.4	532.5	
Dally vapor temp. range, R	^Tv	41.35	51.33	
Daily max. liquid surface temp., A	Tbr	547.57	567.80	
Daily min. fiquid surface temp., R	Tin	526.90	542.14	

note: OT-9 loading is vapor balanced, so there .

CES Environmental Services Houston, TX Oil Process Tank Emissions

DATA ENTRY							
Tank Identification		OT-7	QT-8	OT-9	QT-10	FO-1	Centriliuge
EPN		OT-7	OT-8	e-TO	QT-10	FO-1	SV-1
Material Stored		OilWater	OilWater	CES Fuel/Water	OWNater	OilWater	Q:JWater
Tank Capacity	Vol., gallons	16,800	16,800	16,800	16,800	7,518	16,800
Throughput	gallons	1,200,000	1,200,000	000,000	873,600	1,200,000	1,200,000
Tank Controlled	Yes/No	No	No	No	No	No	No
Control Efficiency	e, %	0.00	0.00	0.00	0.00	0.00	0.00
Shell Height	Hs, ft	20.0	20.0	20.0	20.0	20.0	20.0
Shell Length	Ls, ft	12.0	12.0	12.0	7.0	8.0	12.0
Orientation	Venical=1/Horizontal=2	1	1	1	2	1	1
FII Pale	gallonsine	3,000	3,000	3,000	3,000	3,000	3,000
Molecular Weight, It/lb-mole		150.000	150.000	85.985	150.000	150.000	150.000
Vapor Pressure @ Tin, psia	526.90 R	0.0100	0.0100	0.9521	0.0100	0.0100	0.9100
Vapor Pressure @ Tla, psia	537.23 R	0.0100	0.0100	1.2267	0.0100	0.0100	0.0100
Vapor Pressure @ Tlx, psia	547.57 R	0.0100	0.0100	1.5720	0.0100	0.0100	0.0100
Max. Vapor Pressure @ Tlx, psia	567.80 R	00700	0.0100	2.4868	0.0100	0.0100	0.0100
ESTIMATED EMISSIONS							
Maximum Hourly Losses	Lm, fb/hr	0.063	0.063	1,498	0.080	0.038	0.063
•	Lt, tanlyr	0.0167	0.0167	0.2734	0.0168	0.0094	0.0167
PHYSICAL PARAMETER CALCULA	ATIONS						
Diameter, D Effective di	ameter, De	12.0	12.0	12.0	13.4	8.0	12.0
Avg. Liquid Height	HI, 11	10.0	10.0	10.0	10.0	10.0	10.0
Max. Liquid Height	Hbc, It	19.9	19.9	19.9	16.0	20.0	19.9
Cone Roof Outage	Hro, ft	0.125	0.125	0.125	0.139	0.083	0.125
Vapor Space Outage	Hvo, ft	10.125	10.125	10.125	10.139	10.083	10.125
Vapor space volume	Vv, 11/3	1144.53	1144.53	1144.53	1419.48	506.59	1144.53
Breather vent pressure setting	Pop, psig	0.00	0.00	0.03	0.00	0.00	0.00
Breather vent vacuum setting	Pov, psig	0.00	0.00	-0.03	0.00	0.00	0.00
Gas Constant	FL, psia-ft^3/lb mole-R	10.732	10.732	10.732	10.732	10.732	10.732
Vapor Density	Wv. Ib/R^3	0.0003	0.0003	0.0183	0.0003	0.0003	0.0003
Daily vapor pressure range	APV, psia	0.0000	0.0000	0.6199	0.0000	0.0000	0.0000
Vapor space expansion factor	Ke	0.077	0.077	0.119	0.077	0.077	0.077
Vented vapor saturation factor	Ks	0.995	0.995	0.603	0.995	0.995	0.995
Working Loss Product Factor	Kp	1.00	1.00	1.00	1.00	1.00	1.00
Net Annual Throughput	C), biblifyr	28,571.4	28,571.4	14,285.7	20,800.0	28,571.4	28,571.4
Tumovers	N	71,4	71.4	35.7	52.0	159.6	71.4
Turnover factor	Kn	0.59	0.59	1.00	0.74	0.35	0.59

MAX. HRLY LOSSES: STANDING LOSSES: WORKING LOSSES:

UNCONTROLLED

TOTAL HOURLY LOSSES:

TOTAL ANNUAL LOSSES: Lt. = Lt. =

METEROLOGICAL CALCUL ATIONS:
Data Location
Daily and, inquid surface temp, R
Daily seq, inquid surface temp, R
Taa
Daily seq, ambient temp, R
Tailiquid but remp, R
Daily soiar insulation factor, (Buth'e day)
Almospheric pressure, pala
Daily max, ambient temp, R
Tax
Daily max, ambient temp, R
Tay
Daily vapor temp, range, R
Daily vapor temp, range, R
Daily wapor temp, range, R
Th
Daily max, fould surface temp, R
Tin
Solor absorbance factor
a ANNUAL 537.23 528.28 531.33 1351 14.7 539.1 517.4 41.35 547.57 626.90 0.68

ATTACHMENT B THERMAL OXIDIZER VENDOR INFORMATION

THERMAL OXIDIZER UNIT MACRO SPECIFICATIONS

Prefinished Millwork Corporation

Unit AES-9859

OPERATING SPECIFICATIONS	(All values established for required VOC destruction efficiency)		
Guaranteed VOC Destruction Efficiency	95 %		
Maximum Process Air Stream	12,000 SCFM		
Approximate Flow During Warmup	2,400 SCFM		
Flow Control Method	Variable Speed Drive on system fan motor controlled via pressure PI loop controller		
Flow Control Pressure Set Point	-0.1 to -1.00" water column (Nominal, value established at start-up during system balancing)		
Max. Negative Pressure Safety Control Set Point	-7" water column		
Inlet Temperature Control Set Point	1,400°F		
Temperature Control Method	Modulating firing rate valve controlled via temperature PI loop controller		
Temperature High Limit Safety Set Point	1,600°F		

MACRO SPECIFICATIONS - Unit AES-9859

UNIT MECHANICAL

Outer Skin Material	Hot Rolled Steel
Outer Skin Thickness	7 gauge
Heat Exchanger Type	Shell and Tube, two-pass
Heat Exchanger Efficiency	95% (at normal operating conditions)
Heat Exchanger Material	Ceramic Media
Approximate Total Unit Weight	70,000 lbs.
Temperature Sensors	K-Type Thermocouples

MACRO SPECIFICATIONS - Unit AES-9859

BURNER & ASSOCIATED EQUIPMENT

Manufacturer	Eclipse
Model	Thermjet TJ300 MATNNX
Туре	Nozzle Mix
Maximum Firing Rate	3,000,000 BTU/Hr.
Minimum Firing Rate	750,000 BTU/Hr.
Fuel Train	2"
Required Gas Pressure to Fuel Train	2 psig to 5 psig
Gas Pressure Regulated To Approximately	12" to 14" water column (Nominal value only. Must be adjusted by qualified technician)

FLAME SAFETY EQUIPMENT

Flame Safeguard Primary Control	Honeywell RM7895
Flame Sensor Type	UV Scanner
High Temperature Limit Control	Honeywell DC100L

MACRO SPECIFICATIONS - Unit AES-9859

FANS

Manufacturer	Tunn City Kon
	Twin City Fan
Model	Size BCS 270, Heavy Duty
	Arr. 9F, CW, BHD
Capacity	14,000 CFM
	@ 14.0" W.C. static press.
	@ 125°F
	@ 2,379 RPM drawing
	38.86 BHP
Motor	50 HP,
	1,800 RPM TEFC,
	High Eff.,
	326T Frame
ombustion Fan	
Manufacturer	New York
Model	0: 100CA05 A 4
	Size 1906A05, Arr. 4,
	CW, UBD
Capacity	600 SCFM
	@ 29.40" W.C. static pres
	@ 3,500 RPM drawing
	4.21 BHP
	5.112
Motor	5 HP,
	3,500 RPM, TEFC,
	High Eff., 184T Frame

PROCESS DESCRIPTION

Design Considerations

Thermal oxidation of hydrocarbons is a relatively straightforward process in concept. The air pollutants are raised to a temperature sufficient to oxidize (burn) them, converting the VOCs to carbon dioxide and water vapor. In practice, the actual operating thermal oxidizer's complexity results from design features incorporated to assure:

1. Destruction Efficiency

Destruction efficiency compliant with applicable regulations (destruction efficiency is the ratio, expressed as a percentage, of the amount of hydrocarbons in the cleansed air stream divided by the amount of hydrocarbons in the process stream entering the oxidizer).

2. Fuel Efficiency

Simple burning of the hydrocarbons without any recovery of heat from the system would consume large amounts of fuel to maintain the oxidation temperature.

Destruction Efficiency

Destruction efficiency is achieved by maintaining two parameters. The first parameter is the required temperature. The hydrocarbons in the process stream must be raised to their oxidizing temperature. Temperature sensors and controls continuously monitor the temperature of the air in the oxidation chamber and modulate the fuel supply to the burner, increasing or decreasing it as needed to maintain a temperature sufficient to burn the pollutants, but not so hot as to physically damage the equipment.

The second parameter required for destruction efficiency is time. Burning (oxidation) is a chemical reaction. All chemical reactions take time, though to the casual observer some reactions, such as thermal oxidation, may appear to occur nearly instantaneously because this time is very short. The contaminated air stream must be held at a certain minimum temperature for a prescribed amount of time.

The function of the oxidation chamber of the oxidizer is to provide an area maintained at the required temperature, across which the process air stream must traverse. Because it takes time for the air stream to pass through the oxidation chamber, the parameters of time and temperature are met.

The required time for proper destruction of the hydrocarbon contaminants, provided the necessary temperature is achieved, is referred to by designers and the regulatory agencies as "residence time". Anguil thermal oxidizer is sized and designed based on airflow pressure and volume characteristics specific to the application.

Operated at, or below, the design air flow rate of the thermal oxidizer, the process stream is held at the necessary temperature and takes sufficient time to pass through the oxidation chamber that the required destruction efficiency of VOCs is met or exceeded.

If the volume of air per unit of time moved through the oxidizer exceeds the equipment design flow rate, the air may not be held at oxidizing temperature for a sufficient amount of time to complete the hydrocarbon destruction. If the design flow rate is *greatly* exceeded, the burner may not be able to supply sufficient energy to raise the process air stream to the oxidizing temperature.

WARNING

For the above reasons, the stated design flow rate of the equipment should never be exceeded without first consulting Anguil Environmental Systems, Inc., to determine the results. Proper VOC destruction may not be achieved, resulting in non-compliance with regulatory requirements and possible legal consequences.

Fuel Efficiency

Fuel efficiency is achieved by:

1. Providing for equipment turn-down.

The oxidizer is designed to process, within certain limits, only the volume of air sent to it. When the process air volume is cut back, the oxidizer automatically reduces its burner firing rate and the speed of the main fan so that fuel is not wasted heating up a larger volume of air than is required. Also, when the equipment is first being heated prior to being placed into service, airflow volume is kept to a minimum so that the fuel burned is used to heat the equipment rather than a large stream of fresh air.

2. Conserving heat.

The oxidizer consists of inner and outer walls separated by high temperature insulation. This insulation's primary function is safety--protecting personnel and materials from the high

temperatures within the oxidizer. However, it also serves to maintain most of the energy inside the oxidizer for VOC destruction, rather than allowing it to dissipate into the unit framework.

3 Heat recovered from the oxidation process.

Much of the energy put into the process air stream, which results in the elevation of the stream's temperature, to oxidize the VOCs is still available after the hydrocarbons have burned. In addition, the VOCs themselves give off heat when oxidized, further elevating the air stream temperature. The process stream is hotter when exiting the oxidation chamber than when entering.

The oxidizer is equipped with two beds of ceramic packing which serve as heat sinks, scavenging much of the thermal energy from the process stream as it exits the oxidizer, cooling the exhaust stream and heating the packing.

The process stream enters the oxidizer through one bed of ceramic packing and exits through the other after the oxidation process is completed. When the ceramic packing in the exhaust bed becomes sufficiently hot, as a result of heating by the oxidizer exhaust stream, the entering process stream is switched over to this heated bed.

Passing through the heated bed, the incoming air stream's temperature is raised significantly, therefore only a small amount of additional heat must be supplied by the burner to raise the stream temperature to the oxidizing point with consequent savings in fuel consumption.

The process stream then passes through the oxidation chamber where the burning of the contaminants further raises the air temperature. It exits out the cooler ceramic packed bed, heating this bed up. Meanwhile the bed through which the stream is entering is cooling because it is giving up its heat to the incoming process stream.

When the bed through which the exhaust is passing becomes sufficiently hot, the two beds again switch function, with the exit bed (now hot) becoming the entry bed and the entry bed (now cooled) becoming the exhaust bed.

Because the thermal energy of the system is being stored in a medium (the ceramic packing) and then subsequently released (regenerated) from this packing, this type of thermal oxidation is called "Thermal Regenerative Oxidation". This type of heat exchanging scheme gives up so little heat to general system losses, that the heat exchange efficiency exceeds 90%.

General Process Description

During operation, the system fan at the oxidizer outlet draws the process stream through the oxidizer--in through one bed of ceramic packing through the oxidation chamber, and out through the other bed of ceramic packing.

The VOC-laden air is heated as it passes through the entry ceramic bed (as explained above) and into the burner chamber, where the burner (whose flame is supported by fresh air from a separate combustion fan) supplies additional heat, as needed, to elevate the air to the VOC oxidizing temperature.

Then the VOC-laden air passes through the oxidation chamber where, maintained at a highly elevated temperature for a preset minimum amount of time, the VOCs are oxidized. Heat is given off by this oxidation (an exothermic reaction takes place). The VOCs in the air stream are converted to carbon dioxide and water vapor.

The hot, purified air then passes through the exit bed of ceramic packing, heating this bed (as explained above). Finally, the contaminant-free air is passed through the system fan and exhausted into the atmosphere.

After the entry bed cools sufficiently and the exit bed heats sufficiently, automatic valving is used to switch the direction of flow through the oxidizer, making the hot exit bed now the entry bed, and the cooled entry bed now the exit bed.

The control system is comprised of many components. For a complete list of these, see the system process and instrumentation diagram, electrical schematics, and control panel layout drawings. However, several components are of special interest with regard to understanding of the system control, maintenance and operation. These are covered here separately.

Fuel Train

The fuel train consists of the piping, valving, and safety switches which conduct fuel gas into the burner and is built to applicable FM standards. It is comprised of the following components:

- 1. Main Gas Regulator
 The main gas regulator reduces the gas pressure from supply pressure and maintains it at a lowered value outlet of the regulator for control and metering to the burner.
- 2. Low Gas Pressure Switch
 The low gas pressure switch is a safety device that shuts down the burner if the gas pressure downstream of the main regulator is below a preset value.
- 3. Main Shut-Off Valves
 The main fuel line valving consists of (in order following the direction of fuel flow) the main and blocking safety shut-off valves with a tee in between, off of the leg of, which is located the vent valve. This is a block and bleed system. In the offmode, the block and main valves are closed and vent valve open. The

main and block valves remain closed and vent valve remains open until the flame safety controller detects that the pilot is lit. At that time, the vent valve is closed the main valve opened, and then the block valve opened, supplying fuel to the firing rate valve.

- 4. High Gas Pressure Switch
 The high gas pressure switch is a safety device which shuts down the burner if the gas pressure downstream of the main shut-off valve exceeds a preset valve.
- 5a. Air Firing Rate Valve

 The air firing rate valve modulates the combustion airflow and pressure delivered to the burner based upon a signal from the inlet temperature controller (See Temperature Control).
- 5b. Gas Proportioning Valve

 The gas proportioning valve delivers gas to the burner on a specific ratio to the combustion air pressure by means of a pressure backloading line from the air line.
- 6. Pilot Solenoid Valve
 The pilot gas solenoid valve remains closed until the flame safety supervisor is ready to attempt lighting of the pilot.
- 7. Pilot Pressure Regulator
 The pilot gas pressure regulator
 controls the gas pressure supplied
 to the pilot solenoid to a constant
 value.

Flame Supervision Control

The burner system is controlled by an electronic flame safeguard controller in compliance with NFPA regulations. The controller controls lighting and shutoff of the burner, and monitors the flame emanating from the burner so that the primary gas valves cannot opened until the pilot flame has been established and proven.

IMPORTANT

The use of the flame supervision controller on this application is mandated by regulation and of extreme importance in safe operation of the unit. It should never be removed from the control circuit nor should any attempt be made to light the burner bypassing the controller.

The flame controller controls the entire lighting sequence of the burner and monitors the pilot flame strength during the entire burning cycle. The pilot flame strength is monitored via a device called an ultraviolet scanner (UV scanner) which observes ultraviolet radiation from the flame.

The operation of the burner is the intermittent pilot type, which means the pilot remains lit any time the burner is fired. This is distinguished from an interrupted pilot which turns off once the main flame is lit, or a standing pilot which is lit continuously regardless of whether the burner is in operation. The flame controller provides the following flame control sequence:

- 1. A pre-purge of 90 seconds.
- 2. Trial for ignition of the pilot flame for ten (10) seconds. The pilot gas valve is opened and the ignition transformer is energized to create an arc at the spark ignitor.
- 3. After the pilot is proven, as indicated by the burner's UV scanner, the flame controller energizes the main gas valves to open and the vent valve to close. This signal is conducted directly to the main gas valve. After the main gas valve opens, the signal is conducted across a limit switch on the main valve (which makes when the valve opens), to the block valve which then opens last.
- 4. If at any time during the burner cycle, the flame strength falls below preset and unalterable limits, the flame controller immediately closes the main and pilot gas valves, extinguishing the flame.
- 5. If at any time during the burner cycle, any of the so-called flame limits are tripped (virtually any oxidizer alarm condition), the start signal to the flame controller is opened. This de-energizes the flame controller, which in turn closes the gas valves, extinguishing the flame.

Fresh Air and Process Stream Control

The system is provided with dampers and damper actuators, which serve to control and direct fresh air and system process inlet streams. The system atmospheric relief damper (one for each process inlet line) conducts air in the process line to atmosphere. This damper acts in concert with the system inlet damper (one for each process line, see below) in that anytime the inlet damper is open, the atmospheric relief damper is closed. Conversely, anytime the inlet damper is closed, the atmospheric relief damper is open.

The inlet damper is closed and relief damper open anytime the oxidizer is not on-line. This includes the condition in which the oxidizer is simply shut down, anytime the oxidizer is experiencing an alarm condition, and while the oxidizer is heating up prior to going on-line.

The system inlet damper and driving actuator (one for each process line) conduct the process stream into the oxidizer. This damper acts in concert with the atmospheric relief damper (see above) for that line in that anytime the damper inlet open, the stand-by damper is closed. Conversely, anytime the inlet damper is closed, the stand-by damper is open. The dampers act in concert as a result of mechanical linkage connecting both actuator.

Placing the oxidizer on-line, thus opening the system inlet damper, is semi-automatic, requiring the operator to throw a switch. The actual opening of the damper is automatic via its motorized actuator. The damper remains closed regardless of switch position if the oxidizer is locked out from being on-line. This includes the condition in which the oxidizer is simply shut down, anytime the oxidizer is experiencing an alarm condition, and while the oxidizer is heating up prior to going on-line.

The fresh air valve remains open until the oxidizer is placed on-line (any system inlet being open). Prior to the oxidizer burner being placed on-line, the fresh air valve must prove open (via a position switch) in order for the controls to allow lighting of the burner. This assures that only fresh air passes through the oxidizer until it is up to operating temperature and can oxidize the VOCs in the process stream.

Flow Control

The system accommodates varying flow rates, processing only the volume of air sent to it from the VOC stream source. This is achieved by maintaining a constant negative pressure in the system inlet assembly. As more air is sent to the inlet from the process the inlet pressure would normally increase, but the system adjusts by allowing the system fan to draw more air in, thus lowering the pressure back to its set point.

Conversely, as the air volume from the process is decreased, inlet pressure would tend to go more negative. The system adjusts by drawing less air from the process, allowing the inlet pressure to return to set point.

Pressure Controller & Transmitter

A pressure sensor connected to taps on the system inlet assembly senses the pressure and, via an internal transducer and electronic amplification circuitry, produces a 4-20mA signal proportional to plenum pressure.

A stand alone loop controller of the proportional-integral-derivative (PID) type receives the pressure transmitter signal (4-20mA), executes the control algorithm, and transmits a 4-20mA control output to the final control device to drive the plenum pressure back to its set point.

Variable Speed Drive

The final control device is the variable speed drive that controls the flow rate by modulating the system fan speed. As the pressure controller output signal changes (increases or decreases), the fan speed modulates (speeds up or slows down). As fan speed increases the fan impresses a greater vacuum on the oxidizer. As the fan slows down, less vacuum is impressed on the system.

While the unit is heating up on fresh air, the air flow rate is held to a low value so that maximum heating value is transferred to the oxidizer and ceramic beds to bring them up to operating temperature. The pressure control loop is not active during system heat-up.

Firing Rate Valve

The firing rate valve is a modulating valve which varies the amount of air and fuel supplied to the burner to control the temperature to which the incoming air is heated. It is controlled the temperature control loop (explained below). It modulates in response to a 4-20mA signal. operates signal control actuator which, via mechanical linkage, opens or closes both the combustion air and fuel gas inlets. The combustion air and fuel gas inlets are held in proper ratio by mechanical balance of the relative positions of the fuel and air valves via the gas proportioning valve.

The temperature control loop is released to modulate, however, only after the main flame of both burners is lit. Prior to burner lighting, the controls hold the firing rate valve closed.

Temperature Control

Temperature control is one of the most critical functions of an oxidizer. The driving force for the functioning of an oxidizer is heat. With relatively high operating temperatures, care must be taken to carefully control these temperatures to prevent damage to components.

With temperature as critical as it is to the system, the issue of temperature control is lengthy here. However, the various elements of temperature control applied in the oxidizer are dealt with separately under this section for clarity.

Temperature control encompasses monitoring and acting on temperatures of the air stream in the oxidation chamber and at the system fan discharge. These temperatures are used to:

- 1. Control the heat up of the oxidation chamber to VOC oxidation temperature.
- 2. Maintain the oxidation chamber temperature while on-line.
- 3. Detect when oxidation temperature has been reached in order to determine when to introduce the process stream into the oxidizer.
- 4. Alarm a high oxidation chamber temperature condition and shut off the burner in order to protect the system from over temperature.
- 5. Alarm a high exhaust temperature condition and shut off the burner in order to protect the system fan.

The devices used to sense the air stream temperature at the ceramic beds, oxidation chamber, and exhaust to the system fan are thermocouples.

The thermocouple assemblies consist of thermocouple junctions and wire protected within the oxidizer by stainless steel sheathing, with the thermocouple leads terminated outside the oxidizer in standard industrial-type thermocouple heads.

The thermocouples produce a small electrical potential, in the range of 300 millivolts (mV) non-linearly proportional to the temperature. This small voltage signal is fed to the receiving devices on the main control panel.

Two thermocouples are housed in a single sheath toward one end of the oxidation chamber and an identical thermocouple pair is also located toward the other end of the chamber. Thus, there is a total of four thermocouples sensing the oxidation chamber temperature contained in two housings, one located at each end of oxidation chamber. thermocouples contained in such a single housing are called dual thermocouples.

The thermocouple located at the inlet to the oxidizer is used for recording purposes only. A record of the inlet temperature and the oxidation chamber temperature, along with airflow rate, is evidence of VOC destruction, which may be presented to regulatory agencies.

One each of the dual thermocouples located at opposite ends of the oxidation chamber are wired to the PLC for temperature control of the oxidation chamber via the temperature control loop.

The remaining thermocouple of the two dual thermocouples is dedicated for use in a special high temperature switch alarm called the high temperature limit controller, which shuts the oxidizer down in the event of over-temperature. An additional temperature switch included in the high limit controller is used for detecting when the oxidation chamber is up to operating temperature.

A final thermocouple is located in the oxidizer exhaust stack.

The receiving control devices are standalone microprocessor based which carry Factory Mutual (FM) approval specifically for temperature control applications. The controls sense the thermocouple millivolt signal and translate it into a temperature which can be viewed by the operator on display. The the control temperature control devices are called out individually later in this section on CONTROLS, but their function in overall temperature control is dealt with below.

1. Control heat-up to catalyzing temperature.

The VOCs will not be adequately destroyed unless the oxidation chamber is at the proper temperature for the VOC being treated. The primary function of the controls during the heat-up stage is to heat the oxidation chamber and surrounding insulation of the oxidizer to operating temperature.

This is distinguished from the temperature control during operation in which the oxidizer is up to operating temperature and the primary intent is to heat the process air stream up to this temperature.

Though the intent during heat-up is to heat up the ceramic beds and metal rather than air, it is a stream of fresh air which is used as the medium to transport this heat. The process variable controlled is the temperature of the air exiting the burner chamber, entering the oxidation chamber. The final control device is the firing rate micro-ratio valve which modulates the amount of fuel and air supplied to the burner.

The controller uses a standard PID algorithm to determine control output to the final control device. The controller's output is a 4-20mA signal to the firing rate valve actuator. By modulating the firing rate valve actuator, the firing rate valve position is adjusted to conduct more or less air along with proportioned fuel gas to the burner, thus driving the temperature higher or lower.

Prior to the opening of the main gas shut-off valves, that is, when the burner is either not yet lit or when only the pilot flame has been established, the inlet temperature controller's output signal is ignored and the firing rate valve is held closed.

Once the main gas shut-off valves are opened, the controller signal is released to modulate the firing rate valve to establish and maintain operating temperature.

2. Maintain oxidizing temperature while on-line.

Once the oxidizer is on-line, the unit is, obviously, already up to oxidizing temperature. The primary function of the temperature control, at this point, is to heat the process air stream entering the unit to the oxidation temperature. The process air stream is partially heated by the heat given off through oxidation of the VOCs in the oxidation chamber, which is transferred to the incoming air stream via the heat exchanger. The burner supplies the additional heat needed.

Since the amount of heat released by oxidation varies with the amount of VOCs in the air stream, and since this VOC concentration typically varies in industrial processes, the amount of preheating available from the heat exchanger is variable. Thus the amount of heat supplied by the burner must also vary. The temperature control continuously monitors the temperature sensed in the oxidation chamber modulates the firing rate valve to vary the heat supplied by the burner to maintain the temperature set point.

3. Detect when oxidation temperature has been reached.

The oxidizer temperature must be at the minimum operating point relative to the air stream's residence time in the chamber to destroy the VOCs at the level required by the user. This minimum operating point is defined by the chamber temperatures being at prescribed set points for a prescribed time period. When the PLC receives the signal that these parameters are met, it will allow the process stream into the oxidizer.

Prior to reaching this temperature (i.e. during heat-up), the VOCs are kept out of the air stream and the oxidizer passes only fresh air.

Though the air stream temperature is raised almost immediately through the burner chamber, much of the heat of the incoming air is given up to heating the surrounding metal. Eventually, however, the oxidation chamber and ceramic beds are heated to operating temperature.

The high temperature limit controller (see details below), connected to one of the oxidation chamber thermocouples, includes an auxiliary switch which closes when the chamber reaches the operating temperature, indicating to the unit's programmable controller (detailed below) that operating temperature has been reached. Seeing this signal, programmable controller enables the circuit, which allows the operator to open the process inlets to introduce the process stream to the oxidizer. The two ceramic bed temperatures are sensed by the chart recorder, which also includes temperature switches configured to trip at the required set points.

If during operation, the temperature drops below the oxidizing set point, the system inlet cycles back to fresh air and the process stream is diverted from the oxidizer until the operating temperature is again achieved.

When the operating temperature is reached and the process air stream introduced, the chamber temperature will necessarily drop somewhat This is because the initially. process air stream is a larger volume than the small fresh air stream used to heat up the oxidizer. With the sudden increase in air volume, more fuel is needed to heat the larger stream. Though the controls adjust relatively quickly to the change, the temperature loop controller's output and the firing rate valve cannot respond fast instantaneously enough to compensate for the larger volume due to the inherent time lag it takes for firing rate actuator to respond and for temperature to change.

Because of this inherent response lag, were the operating temperature defined as a single minimum point, the chamber temperature would drop below the set point as soon as the process air were introduced, the process stream would be diverted from the oxidizer and the small fresh air feed to the oxidizer would resume. This in turn would result in a quick restoration of operating temperature. reopening of the system inlet, and repetition of the cycle.

To prevent frequent cycling (opening/closing) of the system inlet section, a deadband or hysteresis is included in the operating temperature set point switch, allowing the system to remain online even though the chamber fluctuate temperature may somewhat below the set point. The set point and deadband are chosen to assure that the lower end of the deadband still within is minimum operating temperature range for proper VOC destruction.

4. Alarm a high chamber temperature condition.

If the control loop is mistuned, or the firing rate actuator malfunctions, or the control set point is established at too high a value, the firing rate valve could overfire the burner resulting in a chamber temperature potentially high enough to cause damage. Additionally, since added heat is given off by the oxidation reaction, an overly high VOC loading could result in oxidation chamber over temperature even with loop tuning and control devices operating properly.

In order to prevent this, an auxiliary switch in the temperature controller is programmed to switch at a high alarm temperature. This switch closure is detected by the programmable controller which in turn automatically disables the burner and places the system in alarm.

Additionally, a second device called temperature limit the high below) controller (see is incorporated redundant as а temperature safety switch. This control includes a normally closed switch which opens when a high temperature set point is exceeded. This switch opening immediately disables the burner and places the oxidizer in alarm status.

Chamber Temperature Controller

The temperature set point controller, as noted above, is a FM approved standalone temperature loop controller. Mounted on the main control panel face, it features operator adjustable loop tuning parameters, Auto/Manual selection, output control indication of all set points, output, and input (directly readable in operator selectable temperature units), and field adjustable set points. It both controls the oxidation chamber temperature and alarms an over-temperature condition in the air stream.

High Temperature Limit Control

As mentioned above, the oxidizer is equipped with a second separate standalone temperature limit control device. This high temperature limit controller, mounted on the main control panel, is a device FM approved specifically for such duty.

IMPORTANT

The use of the high temperature limit controller on this application is of extreme importance in safe operation of the unit. It should never be removed from the control circuit. The thermocouple feeding its input must never be shared with any other device, nor should its limit set point be raised without first consulting Anguil Environmental Systems, Inc.

The power to the flame safety controller is hardwired through normally closed contacts on the high limit control such that, should a temperature exceeding the high limit controller set point exist in the oxidation chamber, the limit controller goes into lockout and opens the contacts. This immediately extinguishes the flame.

Being hardwired directly into the burner circuit, unlike the other high temperature alarm switch in the temperature loop controller, this safety function does not depend on the programmable controller software to turn off the burner.

It is a fail safe device in that failure of the controller or failure of the temperature sensing thermocouple results in the opening of the limit contacts and consequent extinguishing of the flame as though a high temperature were reached.

If the high temperature limit controller trips, the device remains in the lockout condition until manually reset by the operator. It will not reset if the high temperature condition still exists.

The limit controller also includes the auxiliary switch, which closes when the oxidizer reaches operating temperature. This switch within the device is not a latching, manual reset-type, as is the high limit switch.

Chart Recorder

The control panel is equipped with a two channel chart recorder, which charts traces for oxidation chamber temperature and exit temperature. Thus, these two temperatures are constantly monitored and recorded.

The recorder is a circular-type with recording speed, recording parameter divisions, etc. The recorder is field adjustable. The charting of inlet and outlet temperatures are useful in monitoring and trouble-shooting oxidizer performance.

Programmable Logic Controller

The programmable logic controller (PLC) is an Allen-Bradley SLC500. See electrical schematics for controller I/O details. A documented hard copy of the application program, as well as disk of the program are provided with the system.

The PLC receives discrete inputs from the various system switches and outputs discrete signals to devices controlled. The controller acts as a relay replacer and utilizes no analog I/O capabilities. The PLC accepts only 120VAC. The program logic controls the overall system operation.

All timing and alarm detection and annunciation control reside in the PLC. A digital display (see below), used to annunciate alarm conditions, is driven and controlled by the PLC.

The PLC program memory is normally maintained by the main control panel operating power. However, the memory is also backed up by EEPROM, battery, and capacitively backed.

The PLC program memory is normally maintained by the main power to the panel being on. With the power off, the capacitor charge will maintain PLC memory for one to several days. When the capacitor is discharged, the battery continues to maintain system memory for up to 5 years. A low battery LED is included on the PLC and should be periodically checked. To change the battery, follow the directions included in the vendor literature. Under no circumstances should the 120VAC power to the system be turned off if the battery is low. When replacing the battery, leave the control power on. Otherwise the control program may be lost.

To protect against such an occurrence, however, an EEPROM is also included. The EEPROM is a memory chip, which retains the basic oxidizer operating program. Should the PLC memory be lost for any reason, the program in the EEPROM is automatically loaded into the PLC. The system will then operate, but timer presets and accumulated running time information in the original program will be lost. Default timer presets will be loaded and the operator will have to change them to match the original configuration.

DIGITAL DISPLAY

An Allen Bradley Panelview display/ touchscreen is provided, which annunciates alarm conditions, provides some on-line start-up instructions, and via the touchscreen, allows the operator to view a limited number of program timer set points.



December 31, 2008

Mr. Don Dale Nelon Air Permits Initial Review Team (APIRT), MC161 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Building F, Room 1206 12100 Park 35 Circle Austin, TX 78753 LONE STAR AIRBILL NUMBER 42684265

Reference:

CES Environmental Services, Inc.

4904 Griggs Road

Houston, Harris County, Texas Registration of Permits-By-Rule VOC/Water Separation Process CN 600618946; RN 100693282

Dear Mr. Nelon:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation to authorize equipment and emissions associated with a new VOC/water separation process at the referenced site. The process qualifies for authorization under Permits-By-Rule (PBR) §106.261, §106.262, §106.472, §106.473, and §106.532.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Mat Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

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PBE/tv 27311:5330021.lts.doc

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen



December 31, 2008

Mr. John Racanelli Revenue Section (MC-214) TEXAS COMMISSION ON ENVIRONMENTAL QUALITY 12100 Park 35 Circle, Building F, Room 1206 Austin, Texas 78753

LONE STAR AIRBILL NUMBER 42684266

Reference:

CES Environmental Services, Inc.

4904 Griggs Road

Houston, Harris County, Texas Registration of Permits By Rule VOC/Water Separation Process CN 600618946; RN 100693282

Dear Mr. Racanelli:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed a check in the amount of \$450 to cover the fee for the above referenced Permit-By-Rule (PBR) registration. A copy of the PI-7-CERT Form is also enclosed.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Mat Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/tv 27311:5330021.lts.doc

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen

42359 CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TEXAS 77021 (713) 676-1460 BANK OF AMERICA, NA 35-2/1130 12/30/2008 @ 2005 INTUIT INC, # 785 1-800-433-8810 PAY TO THE ORDER OF **450.00 **TCEQ** Four Hundred Fifty and 00/100**** DOLLARS 🗎 🧱 TCEQ 12100 Park 35 Circle Austin, TX 78753 МЕМО 0803198H #O42359# 42359 CES ENVIRONMENTAL SERVICES, INC. 12/30/2008 Date Original Amt. Balance Due Discount Payment Type Reference 450.00 450.00 450.00 12/30/2008 Bill Draft PBR Fee 450.00 **Check Amount**

CES Environmental S 0803198H 450.00

PERMIT-BY-RULE FOR VOC/WATER SEPARATION PROCESS

Prepared for CES ENVIRONMENTAL SERVICES INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

December 2008

PERMIT-BY-RULE FOR VOC/WATER SEPARATION PROCESS

Prepared for CES ENVIRONMENTAL SERVICES INC. Houston, Harris County, Texas

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INTRODUCTION

CES Environmental Services, Inc. (CES) operates a tank container cleaning and waste handling facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and several Permits-By-Rule (PBRs) Registrations. The enclosed documentation is provided to demonstrate PBR authorization for certain equipment and emissions associated with the physical separation of VOC and water from an aqueous mixture of varying composition.

The process involves the physical separation of the VOC from the water phase by passing the aqueous stream through an enclosed separator vessel. The separated VOC is then transferred to tank trucks for off-site shipment. The remaining water is transferred to the on-site wastewater treatment system for processing prior to discharge to the POTW. Further details are provided in the Process Description section of this registration and in the attached emission estimation calculations. The equipment and processes covered by this PBR are authorized under 30 TAC §106.261, §106.262, §106.472, §106.473 and §106.532. Attachment B includes a table summarizing each piece of equipment and the relevant PBR authorization.

The facility is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this project is approximately 0.45 tons per year (tpy) of VOC. As a result, the project is not major by itself and does not result in reclassification of the site as a major source.

A PI-7-CERT Form, as well as TCEQ 106.4, 106.261, 106.262, 106.472, 106.473, and 106.532 checklists, are provided in the Forms section of this report. Emission calculations are provided in Attachment A. The Site Location Map, Facility Plot Plan and Process Flow Diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

This registration addresses a process to separate organic solvents (VOC) and water from an aqueous feed stream containing an organic concentration of 30% by weight or less. The organic solvent constituents may include Butanol, Ethanol, Hexane, Isopropanol, Methanol, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Mineral Oil, Propanol, Toluene and Tetrahydrofuran. The amount of the individual constituent present in the mixture may vary from load to load. Conservatively, emissions of each chemical from the handling of this feed stream are, therefore, evaluated individually in this registration at the maximum 30% concentration.

The aqueous mixture of water and organic solvents enters the facility in a tank trailer and is transferred slowly from the delivery truck into an unheated horizontal separator vessel to accomplish phase separation of the VOC and water. The separator vessel has a maximum liquid capacity of approximately 7,500 gallons. Vapors displaced from the separator vessel during the transfer are routed back to the delivery tank trailer through a vapor return line. Upon completion of the process, the separated organics are pumped to a product trailer for off-site shipment. The vapors displaced from this product transfer are similarly vapor balanced back to the separator vessel. The remaining water is then pumped to another tank trailer and moved from the process area to the existing on-site wastewater treatment system. Again, the vapors displaced during the transfer of the wastewater from the separator to the tank trailer are vapor balanced back to the separator vessel.

The separator vessel is equipped with a relief vent connected to the existing vapor collection header and thermal oxidizer unit to control emissions during the separation process (EPN TO-01). The thermal oxidizer unit is authorized and operated under TCEQ Standard Permit No. 86272. The thermal oxidizer operates at a combustion temperature of 1400°F and provides a minimum 95% destruction efficiency. Alternatively, the vessel can be vented to a carbon adsorption system for control of emissions (EPN CAS) in lieu of the thermal oxidizer. The carbon system will consist of at least two activated carbon canisters connected in series. The exhaust from the first canister will be periodically monitored for VOC breakthrough, identified as a measured VOC concentration of 100 ppmv or greater.

The wastewater removed from the separator will contain less than 4% organics in the solution. Again, emissions of each chemical from the handling of this residual wastewater stream are conservatively evaluated based on the maximum 4% concentration. The wastewater is transferred from the tank trailer into an existing vertical fixed roof wastewater system receiving tank of approximately 17,000 gallon capacity. Vapors displaced from the receiving tank during transfer may be vapor balanced back to the tank trailer to minimize emissions. The contents of the receiving tank are then routed to a second vertical fixed roof tank of similar capacity for treatment. The solution properties are examined to determine the required treatment. The material is then transferred thru a clarifier tank before being either discharged to the POTW or transferred to a tank trailer for off-site shipment.

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2.0 EMISSIONS SUMMARY

Emissions from the Organic Wastewater operation are calculated for each process step including loading and unloading, tank losses, disconnection of transfer lines, and piping fugitives. The stream properties used in the emission calculations are based on a maximum 30% organic concentration of the feed before separation and a maximum 4% organic concentration in the wastewater after separation. To address the variable composition of the organic constituents, the maximum VOC emissions for the feed and wastewater streams were first calculated at each source using the most volatile constituent at the maximum concentration (THF at 30% and 4%). The other constituents were then speciated from these VOC estimates based on their individual vapor weight fractions at the corresponding maximum concentrations (30% and 4%).

Emissions from the tanks are calculated using methods specified in AP-42. The speciation of emissions from each tank is calculated using the maximum content of each component with the balance of the composition being water. The separator vessel is vented to the Thermal Oxidizer or to a carbon adsorption unit for vapor control. The higher emission rate from either abatement method is used in the compliance evaluation.

Loading and unloading of organic mixture to and from the transport vessels is vapor balanced back to the trailer or tank. As a result, there are no emissions from loading activities except from the disconnecting of transfer lines. Emissions from disconnecting of hoses are calculated assuming the vapor volume inside the hose is saturated with the last material to pass through the hose. It also assumes that all of the liquid residue in the line evaporates and this is calculated using the liquid clingage factor from AP-42 Chapter 7.

Fugitive emissions from potential leaks at valves, pumps and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". No credit is taken for fugitive inspections or monitoring.

The total project increase is 0.46 tpy, well below the level requiring non-attainment or PSD review. The total VOC emission is based on the most volatile organic constituent at the maximum organic concentration. For PBR applicability, emissions of each organic constituent are estimated based on its vapor weight fraction at the maximum organic concentration; therefore, the sum of the individual constituent emissions does not equal the project total emission.

ATTACHMENT A EMISSION CALCULATIONS

		Piping Fugit	ives (VWS-	Separator V	essel (TO	WW Tanks	(1-	Trailer Trans	sfers (VWS-								
Evaluation:		FU	IG)	01) or	(CAS) *	2, T-:	3, T-4)	LC)G)	To	tal						
		Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	TLV or L-	Applicable	PBR	LIMITS	PBR COM	PLIANCE?
Component	CAS	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)	Value	PBR	Hourly (lb/hr	Annual (TPY	Hourly (lb/hr)	Annual (TPY)
Butanol	71-363	0.0907	0.3973	0.0007	0.0029	0.0130	0.0019	0.1378	0.0091	0.2422	0.4112	76	106.262	0.262	1.15	Yes	Yes
Ethanol	64-17-5	0.0907	0.3973	0.0004	0.0018	0.1236	0.0180	0.1602	0.0106	0.3749	0.4277	1880	106.261	6.00	10.00	Yes	Yes
Isopropanol	67-63-0	0.0907	0.3973	0.0005	0.0024	0.0948	0.0138	0.1595	0.0105	0.3455	0.4239	983	106.261	6.00	10.00	Yes	Yes
Methanol	67-56-1	0.0907	0.3973	0.0003	0.0013	0.2385	0.0348	0.1712	0.0113	0.5007	0.4447	262	106.261	1.00	4.38	Yes	Yes
Methyl Ethyl Ketone	78-93-3	0.0907	0.3973	0.0007	0.0029	0.1931	0.0282	0.1884	0.0119	0.4729	0.4403	590	106.261	1.00	4.38	Yes	Yes
Methyl Isobutyl Ketone	108-10-1	0.0907	0.3973	0.0009	0.0040	0.0804	0.0117	0.1658	0.0107	0.3378	0.4236	205	106.261	1.00	4.38	Yes	Yes
Propanol	71-23-8	0.0907	0.3973	0.0005	0.0024	0.0447	0.0065	0.1461	0.0097	0.2821	0.4159	492	106,261	6.00	10.00	Yes	Yes
Tetrahydrofuran	109-99-9	0.0907	0.3973	0.0007	0.0029	0.3008	0.0439	0.2224	0.0136	0.6145	0.4576	590	106.262	2.03	8.91	Yes	Yes
Toluene	108-88-3	0.0907	0.3973	0.0008	0.0036	0.0633	0.0092	0.1560	0.0102	0.3109	0.4204	188	106.262	0.65	2.84	Yes	Yes
Hexane	110-54-3	0.0907	0.3973	0.0008	0.0034	0.2847	0.0416	0.2298	0.0139	0.6060	0.4561	176	106.262	0.61	2.66	Yes	Yes
Mineral Oil	••	0.0907	0.3973	0.0014	0.0059	0.0080	0.0012	0.1375	0.0091	0.2375	0.4134	350	106.261	1.00	4.38	Yes	Yes
VOC Max		0.0907	0.3973	0.0009	0.0040	0.3008	0.0439	0.2224	0.0136	0.6145	0.4576						

^{*} CAS is used to control emissions during thermal oxidizer down time. Emissions are the higher of calculated CAS or Thermal Oxidizer.

Project Total Emissions:		lb/hr	TPY
	VOC	0.61	0.46
Į.			

Allowable hourly emission rate for PBR 106.262 calculated as follows:

E=L/K

K = Coeficient for distance to nearest receptor

Shortest Distance To Receptor (D.ft) > 125 ft

K = 290

If L / K > 8.0 lb/hr, then E = 6.0 lb/hr

If TLV is less than 200, then 106.262 must be used.

If TLV is greater than 200, 106.261 or 106.262 may be used.

CES Environmental Services Houston, TX Estimated Tank Emissions

DAT	Ά	EN	TR	Υ

Tank Identification			VINOT 4	Τ.0	T 0	T 4
Tank Identification			VWST-1	T-2	T-3	T-4
EPN Material Stored			TO-01	T-2	T-3	T-4
	Mal mallama		Organic WW Feed	Separated WW	Separated WW	Separated WW
Tank Capacity	Vol., gallons		7,505	17,000	17,000	17,000
Throughput Tonk Controlled	gallons Yes/No		1,950,000	1,443,000	1,443,000	1,443,000
Tank Controlled			yes	No o oo	No	No
Control Efficiency	e, %		95.00	0.00	0.00	0.00
Shell Height	Hs, ft		6.5	20.1	20.1	20.1
Shell Length	Ls, ft	0	30.3	12.0	12.0	12.0
Orientation	Vert=1/Horiz	=2	2	1	1	1
Fill Rate	gallons/hr	and to the same	4,000	2,800	2,800	2,800
Properties used for the most vola	ille compound	mixture	44 000	04.500	04.000	04.000
Molecular Weight, lb/lb-mole	505		41.638	21.806	21.806	21.806
Vapor Pressure @ Tin, psia	525	R	0.4846	0.3114	0.3114	0.3114
Vapor Pressure @ Tla, psia	530	R	0.5851	0.3884	0.3884	0.3884
Vapor Pressure @ Tlx, psia	536	R	0.7030	0.4805	0.4805	0.4805
Max. Vapor Pressure @ Tlx, psia	552	R	1.1685	0.8564	0.8564	0.8564
ESTIMATED EMISSIONS				0.000	0.047	
Maximum Hourly Losses	Lm, lb/hr		0.006	0.003	0.647	0.647
Standing Losses	Ls, lb/yr		50.13	25.45	25.45	25.45
Working Losses	Lw, lb/yr		0.00	0.00	151.33	151.33
Uncontrolled Total Losses	Lt, lb/yr		50.13	25.45	176.77	176.77
	Lt, ton/yr		0.0251	0.0127	0.0884	0.0884
Controlled Total Losses	Lmc, lb/hr		0.0003	N/A	N/A	N/A
	Ltc, ton/yr		0.0013	N/A	N/A	N/A
PHYSICAL PARAMETER CALC	ULATIONS					
Diameter, D Effective diamete	r, De		15.8	12.0	12.0	12.0
Avg. Liquid Height	HI, ft		3.3	10.1	10.1	10.1
Max. Liquid Height	HIx, ft		5.1	20.1	20.1	20.1
Cone Roof Outage	Hro, ft		0.165	0.125	0.125	0.125
Vapor Space Outage	Hvo, ft		3.415	10.178	10.178	10.178
Vapor space volume	Vv, ft^3		671.45	1150.49	1150.49	1150.49
Breather vent pressure setting	Pbp, psig		0.03	0.03	0.03	0.03
Breather vent vacuum setting	Pbv, psig		-0.03	-0.03	-0.03	-0.03
Gas Constant	R, psia-ft^3/l	b mole-R	10.732	10.732	10.732	10.732
Vapor Density	Wv, lb/ft^3		0.0043	0.0015	0.0015	0.0015
Daily vapor pressure range	^Pv, psia		0.2184	0.1691	0.1691	0.1691
Vapor space expansion factor	Ke		0.053	0.049	0.049	0.049
Vented vapor saturation factor	Ks		0.904	0.827	0.827	0.827
Working Loss Product Factor	Кр		1.00	1.00	1.00	1.00
Net Annual Throughput	Q, bbl/yr		46,428.6	34,357.1	34,357.1	34,357.1
Turnovers	N N		259.8	84.9.	84.9	84.9
Turnover factor	Kn		0.28	0.52	0.52	0.52
. anjoin later	7 31 1		0.20	V.UL	J.UL	0.02

Tank Emission Calculations

Loading and unloading is vapor balanced, so there are no working losses for Tanks VWST-1 and T-2.

MAX. HRLY LOSSES:

Lm = (Lwmax x FR) / (N x Vol)

STANDING LOSSES:

 $Ls = 365 \times Vv \times Wv \times Ke \times Ks$

WORKING LOSSES:

 $Lw = 0.0010 \times Mv \times Pva \times Q \times Kn. \times Kp$

Lwmax = $0.0010 \times Mv \times Pvx \times Q \times Kn. \times Kp$

UNCONTROLLED

TOTAL HOURLY LOSSES:

Lt. = (Ls + Lw)

TOTAL ANNUAL LOSSES:

Lt. = (Ls + Lw) / 2000 lb/ton

CONTROLLED

TOTAL HOURLY LOSSES:

Lt. = $(Ls + Lw) \times (1-e/100)$

TOTAL ANNUAL LOSSES:

Lt. = (Ls + Lw) / 2000 lb/ton x (1-e/100)

METEROLOGICAL CALCULATIONS:

Data Location	Houston, 1 ANN	IUAL	MAX HRLY
Daily avg. liquid surface temp, R	Tla	530.08	545.61
Daily avg. ambient temp, R	Taa	528.25	543.05
Liquid bulk temp, R	Tb	528.27	543.07
Daily solar insulation factor, Btu/ft^2 day	1	1351	1898
Atmospheric pressure, psia	Pa	14.7	14.7
Daily max. ambient temp, R	Tax	539.1	553.6
Daily min. ambient temp, R	Tan	517.4	532.5
Daily vapor temp. range, R	^Tv	22.05	24.23
Daily max. liquid surface temp., R	Tlx	535.59	551.67
Daily min. liquid surface temp., R	Tin	524.56	539.55
Solor absorbance factor	a	0.17	0.17

CES Environmental Services

Emissions from Separator Vessel vent - CAS Alternate Control

Transfers into and out of the separator vessel are vapor balanced. Static evaporative losses normally vent to the existing thermal oxidizer (EPN TO-01). During periods of thermal oxidizer down time, the vent is directed to a carbon adsorption system (EPN CAS) consisting of at least two activated carbon canisters connected in series and monitored for breakthrough.

Emissions routed through carbon adsorption system will have a maximum exhaust concentration of 100 ppmv VOC at the outlet of the initial canister.

Tank Identification: VWST-1

EPN: CAS

Emission Calculation:

PV = nRT n = PV/RT

n(VOC) = n * C/1,000,000Ib = n*MW = MW(PV/RT)

P = 14.7 psia

V (hourly) = 35.5 ft3/hr (based on estimated vapor space expansion during static breathing)

V (annual) = 310715.5 ft3/yr

R = 10.73 (psi*ft3)/(lbmole*R)

T = 538 R

C = 100 ppmv VOC

moles/hr · moles/yr

n = 0.09 791.22 n (VOC) = 9.03E-06 7.91E-02

Speciation:

	MW	Emiss	sions
Compound	lb/lbmole	lb/hr	TPY
Butanol	74.124	0.0007	0.0029
Ethanol	46.07	0.0004	0.0018
Isopropanol	60.1	0.0005	0.0024
Methanol	32.04	0.0003	0.0013
Methyl Ethyl Ketone	72.107	0.0007	0.0029
Methyl Isobutyl Ketone	100.162	0.0009	0.0040
Propanol	60.1	0.0005	0.0024
Tetrahydrofuran	72.12	0.0007	0.0029
Toluene	92.14	0.0008	0.0036
Hexane	86.17	0.0008	0.0034
Mineral Oil	150	0.0014	0.0059

Speciation of organic emissions from Tanks.

lb/hr tp:

Tank Emissions @4%= 1.2979 0.1895
Tank Emissions @30%= 0.0003 0.0013

Organic WW Feed						ssures assu	ming max9	wt in balar	ice water		· · · · · · · · · · · · · · · · · · ·		
	ļ			Ľiq	temp	}			J	Vapor			
	i		Moles	Mole	530	536	525	552	Vapor	MW	Vapor Wt		ĺ
Chemical	MW	wt%	ibmole	Fraction	R	R	R	R	Mole Frac	lb/lb male	Fraction	lb/hr	tpy
Butanol	74.124	30	0.4047	0.0943	0.0084	0.0106	0.0066	0.0204	0.0247	1.8337	0.0945	0.00003	0.00012
Water	18.0152	70	3.8856	0.9057	0.3305	0.4111	0.2633	0.7419	0.9753	17.5695	0.9055		
Ethanol	46.07	30	0.6512	0.1435	0.1323	0,1582	0.1101	0.2605	0.2974	13.7003	0.5198	0.00015	0.00065
Water	18.0152	70	3.8856	0.8565	0.3125	0.3888	0.2490	0.7016	0.7026	12.6578	0.4802		
Isopropanol	60.1	30	0.4992	0.1138	0.0785	0.0949	0.0646	0.1609	0.1954	11.7424	0.4475	0.00013	0.00056
Water	18.0152	70	3.8856	0.8862	0.3234	0.4023	0.2576	0.7259	0.8046	14.4954	0.5525		
Methanol	32.04	30	0.9363	0.1942	0,3829	0.4511	0.3237	0.7119	0,5656	18.1222	0.6984	0.00020	0.00088
Water	18.0152	70	3.8856	0.8058	0.2940	0,3658	0.2343	0.6601	0.4344	7.8256	0.3016		
Methyl Ethyl Ketone	72.107	30	0.4160	0.0967	0.1481	0.1709	0.1278	0.2551	0.3100	22.3501	0.6426	0.00018	0.00081
Water	18.0152	70	3.8856	0.9033	0.3296	0.4101	0.2626	0.7399	0.6900	12.4313	0.3574		
Methyl Isobutyl Keton	100.162	30	0.2995	0.0716	0.0414	0.0494	0.0345	0.0804	0.1088	10.9026	0.4044	0.00012	0.00051
Water	18.0152	70	3.8856	0.9284	0.3388	0.4215	0.2699	0.7605	0.8912	16.0543	0.5956		
Propanol	60.1	30	0.4992	0.1138	0.0355	0.0436	0.0288	0.0769	0.0990	5.9517	0.2683	0.00008	0.00034
Water	18.0152	70	3.8856	0.8862	0.3234	0.4023	0.2576	0.7259	0.9010	16.2312	0.7317		
Tetrahydrofuran	72.12	30	0.4160	0.0967	0.2554	0.2929	0.2220	0.4286	0.4366	31.4884	0.7562	0.00022	0.00095
Water	18.0152	70	3.8856	0.9033	0.3296	0.4101	0.2626	0.7399	0.5634	10.1496	0.2438		
Toluene	92.14	30	0.3256	0.0773	0.0347	0.0408	0.0294	0.0640	0.0935	8.6184	0.3454	0.00010	0.00043
Water	18.0152	70	3.8856	0.9227	0.3367	0,4189	0.2682	0.7558	0.9065	16.3301	0.6546		
Hexane	86.17	30	0.3481	0.0822	0.2024	0.2317	0.1762	0.3376	0.3767	32.4586	0.7430	0.00021	0.00093
Water	18.0152	70	3.8856	0.9178	0.3349	0.4166	0.2668	0.7518	0.6233	11.2292	0.2570		
Mineral Oil	150	30	0.2000	0.0490	0.0026	0.0032	0.0022	0.0054	0.0076	1.1339	0.0596	0.00002	0.00007
Water	18.0152	70	3.8856	0.9510	0.3470	0.4317	0.2765	0.7791	0.9924	17.8790	0.9404		

Separated WW													
Butanol	74.124	4	0.0540	0.0100	0.0009	0.0011	0.0007	0.0022	0.0025	0.1824	0.0100	0.01304	0.00190
Water	18.0152	96	5.3288	0.9900	0.3612	0.4494	0.2878	0.8109	0.9975	17.9709	0.9900		
Ethanol	46.07	4	0.0868	0.0160	0.0148	0.0177	0.0123	0.0291	0.0395	1.8208	0.0952	0.12357	0.01804
Water	18.0152	96	5.3288	0.9840	0.3591	0.4467	0.2861	0.8060	0.9605	17.3032	0.9048		
Isopropanol	60.1	4	0.0666	0.0123	0.0085	0.0103	0.0070	0.0174	0.0231	1.3861	0.0730	0.09476	0.01383
Water	18.0152	96	5.3288	0.9877	0.3604	0.4484	0.2871	0.8091	0.9769	17.5997	0.9270		
Methanol	32.04	4	0.1248	0.0229	0.0451	0.0532	0.0382	0.0839	0.1124	3.6002	0.1838	0.23851	0.03482
Water	18.0152	96	5.3288	0.9771	0.3566	0.4436	0.2841	0.8004	0.8876	15.9909	0.8162		
Methyl Ethyl Ketone	72.107	4	0.0555	0.0103	0.0158	0.0182	0.0136	0.0272	0.0418	3.0172	0.1488	0.19311	0.02819
Water	18.0152	96	5.3288	0.9897	0.3611	0.4493	0.2877	0.8107	0.9582	17.2614	0.8512		
Methyl Isobutyl Keton	100.162	4	0.0399	0.0074	0.0043	0.0051	0.0036	0.0084	0.0117	1.1755	0.0619	0.08039	0.01174
Water	18.0152	96	5.3288	0.9926	0.3622	0.4506	0.2885	0.8131	0.9883	17.8038	0.9381		
Propanol	60.1	4	0.0666	0.0123	0.0039	0.0047	0.0031	0.0083	0.0106	0.6354	0.0344	0.04468	0.00652
Water	18.0152	96	5.3288	0.9877	0.3604	0.4484	0.2871	0.8091	0.9894	17.8247	0.9656		
Tetrahydrofuran	72.12	4	0.0555	0.0103	0.0272	0.0312	0.0236	0.0457	0.0701	5.0531	0.2317	0.30076	0.04391
Water	18.0152	96	5.3288	0.9897	0.3611	0.4493	0.2877	0.8107	0.9299	16.7530	0.7683		
Tokuene	92.14	4	0.0434	0.0081	0.0036	0.0043	0.0031	0.0067	0.0099	0.9152	0.0488	0.06334	0.00925
Water	18.0152	96	5.3288	0.9919	0.3620	0.4503	0.2884	0.8125	0.9901	17.8363	0.9512		
Hexane	86.17	4	0.0464	0.0086	0.0213	0.0243	0.0185	0.0355	0.0555	4.7818	0.2194	0.28473	0.04157
Water	18.0152	96	5.3288	0.9914	0.3618	0.4500	0.2882	0.8121	0.9445	17.0155	0.7806		
Mineral Oil	150	4	0.0267	0.0050	0.0003	0.0003	0.0002	0.0005	0.0007	0.1110	0.0061	0.00795	0.00116
Water	18.0152	96	5.3288	0.9950	0.3631	0,4517	0.2893	0.8151	0.9993	18.0019	0.9939		

TRANSPORT VESSEL UNLOADING - ORGANIC WASTEWATER FEED

Annual Throughput 1,950,000 gal/yr 260 loads/year

Unloading of organic wastewater feed to separator vessel is vapor balanced back to tank trailer and therefore does not generate displacement emissions.

Before being disconnected the liquid transfer hose is cleared back to the truck, leaving only residual liquid clingage on the hose walls. It is conservatively assumed that all of the residual material in the line evaporates.

The residual vapor in the vapor return line is also assumed to vent to the atmosphere after disconnecting.

TRANSFER LINE DISCONNECTING - VOC

Properties of highest volatile organic compound at 30% mixture with water

	Clingage										
1	Factor	Product		Clingage	voc		Max Partial	Max Vapor		Vapor	voc
1	(bbl/1000	Volume	Density	Mass in	Emissions		Pressure	MW	Max hourly	Mass in	Emissions
Product	ft2)	(gal)	(lb/gal)	Line (lb)	(TPY)	1	(psia)	(lb/lbmole)	Temp (R)	Line (lb)	(TPY)
Organic WW Feed	0.0015	0.01187	8.34	0.0990	0.0129		1.17	41.64	552	1.21E-02	0.0016

Notes:

- 1. Clingage Factor from AP-42 Chapter 7.
- 2. Volume Product = Clingage Factor x Line Surface Area x 42 gal/bbl / 1000
- 3. Mass in Line = (Product Volume x Density)

Hose vapor emission calculation is based on ideal gas law.

Liquid Line:

L 20 ft

D 3 in

D 3 in
Line Volume (V) 0.98 cu ft
Line Area (A) 188.40 sq ft

Where V = pi * r² * L A = pi * D * L
 Vapor Line;
 30 ft

 L
 30 ft

 D
 3 in

 Line Volume (V)
 1.47 cu ft

Where V = pi * r² * L

Speciation:

	Liquid wt	Liquid	d Line
Compound	frac	(lb/hr)	(TPY)
Butanol	0.3000	0.0297	0.004
Ethano!	0.3000	0.0297	0.004
Isopropanol	0.3000	0.0297	0.004
Methanol	0.3000	0.0297	0.004
Methyl Ethyl Ketone	0.3000	0.0297	0.004
Methyl Isobutyl Ketone	0.3000	0.0297	0.004
Propano!	0.3000	0.0297	0.004
Tetrahydrofuran	0.3000	0.0297	0.004
Toluene	0.3000	0.0297	0.004
Hexane	0.3000	0.0297	0.004
Mineral Oil	0.3000	0.0297	0.004

Vapor Line				
(lb/hr)	(TPY)			
0.0011	0.0001			
0.0063	0.0008			
0.0054	0.0007			
0.0085	0.0011			
0.0078	0.0010			
0.0049	0.0006			
0.0032	0.0004			
0.0092	0.0012			
0.0042	0.0005			
0.0090	0.0012			
0.0007	0.0001			
	(lb/hr) 0.0011 0.0063 0.0054 0.0085 0.0078 0.0049 0.0032 0.0092 0.0042			

Total E	missions
(lb/hr)	(TPY)
0.0308	0.0040
0.0360	0.0047
0.0351	0.0046
0.0382	0.0050
0.0375	0.0049
0.0346	0.0045
0.0329	0.0043
0.0389	0.0051
0.0339	0.0044
0.0387	0.0050
0.0304	0.0040

¹⁾ Composition is based on worst case weight fraction for each component to allow for variation.

TRANSPORT VESSEL LOADING - ORGANIC SOLVENTS

Annual Throughput 507,000 gal/yr

loads/year

Loading of recovered organic solvents is vapor balanced back to separator vessel and therefore does not generate displacement emissions.

Before being disconnected the loading hose is cleared back to the truck, leaving only residual liquid clingage on the hose walls. It is conservatively assumed that all of the residual material in the line evaporates.

The residual vapor in the vapor return line is also assumed to vent to the atmosphere after disconnecting.

TRANSFER LINE DISCONNECTING - VOC

Properties of highest volatile organic compound at 100%.

	Clingage				·						
	Factor	Product		Clingage	VOC		Max Partial	Max Vapor		Vapor	voc
1	(bbl/1000	Volume	Density	Mass in Line	Emissions		Pressure	MW	Max hourly	Mass in	Emissions
Product	ft2)	(gal)	(lb/gal)	(lb)	(TPY)		(psia)	(lb/lbmole)	Temp (R)	Line (lb)	(TPY)
Recovered Solvent	0.0015	0.01187	8.34	0.0990	0.0042		4.43	72.12	552	0.0795	0.0034

Notes:

- 1. Clingage Factor from AP-42 Chapter 7.
- 2. Volume Product = Clingage Factor x Line Surface Area x 42 gal/bbl / 1000
- 3. Mass in Line = (Product Volume x Density)

Hose vapor emission calculation is based on ideal gas law.

$$R = 10.73$$
 (psia-ft³)/(lbmole-R)

Line Area (A)

A = pi * D * L

Speciation:		Liquid Line				Vapor	r Line				
					Vapor	Vapor					
1	Liquid wt	Liqui	d Line	Vapor MW	Press.	mass	Vapor wt	Vapo	r Line	Total En	nissions
Compound	frac	(lb/hr)	(TPY)	(lb/lb mole)	(psia)	(lb)	frac	(lb/hr)	(TPY)	(lb/hr)	(TPY)
Butanol	1.0	0.0990	0.004	74.12	0.216	0.0040	1.0	0.0040	0.0002	0.1030	0.0044
Ethanol	1.0	0.0990	0.004	46.07	1,815	0.0208	1.0	0.0208	0.0009	0.1198	0.0051
[sopropanol	1.0	0.0990	0.004	60.10	1.413	0.0211	1.0	0.0211	0.0009	0.1201	0.0051
Methanol	1.0	0.0990	0.004	32.04	3,666	0.0292	1.0	0.0292	0.0012	0.1282	0.0054
Methyl Ethyl Ketone	1.0	0.0990	0.004	72.11	2.637	0.0473	1.0	0.0473	0.0020	0.1463	0.0062
Methyl Isobutyl Ketone	1.0	0.0990	0.004	100.16	1.123	0.0280	1.0	0.0280	0.0012	0.1270	0.0054
Propanol	1.0	0.0990	0.004	60.10	0,675	0.0101	1.0	0.0101	0.0004	0.1091	0.0046
Tetrahydrofuran	1.0	0.0990	0.004	72.12	4.432	0.0795	1.0	0.0795	0.0034	0.1785	0.0075
Toluene	1.0	0.0990	0.004	92.14	0.828	0.0190	1.0	0.0190	0.0008	0.1180	0.0050
Hexane	1.0	0.0990	0.004	86.17	4.105	0.0880	1.0	0.0871	0.0037	0.1861	0.0079
Mineral Oil	1.0	0.0990	0.004	150.00	0.109	0.0041	1.0	0.0041	0.0002	0.1031	0.0044

¹⁾ Composition is based on worst case weight fraction for each component to allow for variation.

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TRANSPORT VESSEL LOADING / UNLOADING - SEPARATED WW

Annual Throughout 1,443,000 gat/yr

192 loads/unloads per year

Loading of recovered wastewater to tank trailer from separator is vapor balanced and therefore does not generate displacement emissions.

Before being disconnected the loading hose is cleared to the truck, leaving only residual liquid clingage on the hose walls. It is conservatively assumed that all of the residual material in the line evaporates.

Unloading of recovered wastewater to receiver tank from tank trailer is vapor balanced and therefore does not generate displacement emissions.

Before being disconnected the unloading hose is cleared to the tank, leaving only residual liquid clingage on the hose walls. It is conservatively assumed that all of the residual material in the line evaporates.

TRANSFER LINE DISCONNECTING - VOC

385 line disconnects/yr (loading and unloading)

Properties of highest volatile organic compound at 4% mixture with water

	54		a. 170 mm.	- 11 1111 11 4101							
	Clingage								_		
-	Factor	Product		Clingage	voc		Max Partial	Max Vapor		Vapor	voc
	(bb1/1000	Volume	Density	Mass in	Emissions	İ	Pressure	MW	Max hourly	Mass in	Emissions
Product	ft2)	(gal)	(lb/gal)	Line (lb)	(TPY)		(psia)	(lb/lbmole)	Temp (R)	Line (lb)	(TPY)
Separated WW	0.0015	0.01187	8.34	0.0990	0.0190		0.86	21.81	552	4.65E-03	0.0009

Notes:

- 1. Clingage Factor from AP-42 Chapter 7.
- 2. Volume Product = Clingage Factor x Line Surface Area x 42 gal/bbl / 1000
- 3. Mass in Line = (Product Volume x Density)

Hose vapor emission calculation is based on ideal gas law.

Liquid Line:

ne Volume (V) 0.98 cu ft Line Area (A) 188.40 sq ft Where V = pi * r² * L,

A=pi'D'L

 Vapor Line:
 1
 30 ft

 D
 3 in

Line Volume (V) 1.47 cu ft

Where V = pi * r2 * L

Speciation:

	Liquid wt	Liquid Line		
Compound	frac	(lb/hr)	(TPY)	
Butanoi	0.0400	0.0040	0.001	
Ethanol	0.0400	0.0040	0.001	
Isopropanol	0.0400	0.0040	0.001	
Methanol	0.0400	0.0040	0.001	
Methyl Ethyl Ketone	0.0400	0.0040	0.001	
Methyl Isobutyl Ketone	0.0400	0.0040	0.001	
Propanol	0.0400	0.0040	0.001	
Tetrahydrofuran	0.0400	0.0040	0.001	
Toluene	0.0400	0.0040	0.001	
Hexane	0.0400	0.0040	0.001	
Mineral Oil	0.0400	0.0040	0.001	

Vapor wt	Vapo	r Line
frac	(lb/hr)	(TPY)
0.0100	0.00005	0.00001
0.0952	0.00044	0.00009
0.0730	0.00034	0.00007
0.1838	0.00085	0.00016
0.1488	0.00069	0.00013
0.0619	0.00029	0.00006
0.0344	0.00016	0.00003
0.2317	0.00108	0.00021
0.0488	0.00023	0.00004
0.2194	0.00102	0.00020
0.0061	0.00003	0.00001
- indication		

(lb/hr) (TPY) 0.0040 0.0008 0.0044 0.0008 0.0043 0.0008 0.0048 0.0009 0.0047 0.0009 0.0042 0.0008 0.0041 0.0008 0.0050 0.0010	Total En	nissions
0.0044 0.0008 0.0043 0.0008 0.0048 0.0009 0.0047 0.0009 0.0042 0.0008 0.0041 0.0008	(lb/hr)	(TPY)
0.0043 0.0008 0.0048 0.0009 0.0047 0.0009 0.0042 0.0008 0.0041 0.0008	0.0040	0.0008
0.0048 0.0009 0.0047 0.0009 0.0042 0.0008 0.0041 0.0008	0.0044	0.0008
0.0047 0.0009 0.0042 0.0008 0.0041 0.0008	0.0043	0.0008
0.0042 0.0008 0.0041 0.0008	0.0048	0.0009
0.0041 0.0008	0.0047	0.0009
	0.0042	0.0008
0.0050 0.0010	0.0041	0.0008
	0.0050	0.0010
0.0042 0,0008	0.0042	0,0008
0.0050 0.0010	0.0050	0.0010
0.0040 0.0008	0.0040	0.0008

¹⁾ Composition is based on worst case weight fraction for each component to allow for variation.

FUGITIVE EMISSION ESTIMATES

MATERIAL	Stream	VP (psia)	Organic frac	Stream Type LL,HL,G/V	Valves	ibs/hr	Flanges	lbs/hr	Pumps	lbs/hr	Total lb/hr	Days In Service	EMISS (lb/hr)	SIONS (ton/yr)
		7												
Organic WW Feed	1	1.16852	0.30	LL	24	0.084	60	0.03	1	0.0386	0.0458	365	0.0137	0.0602
Recovered Solvent	2	4.43184	1.00	LL	8	0.028	20	0.01	1	0.0386	0.0766	365	0.0766	0.3355
Separated WW	3	0.85637	0.04	. LL	32	0.112	80	0.04	2	0.0772	0.0092	365	0.0004	0.0016
													0.0907	0.3973

Vapor pressure is the highest compound mixture.

SOCMI Factors	Valves	Flanges	G/V VIV.	G/V Flng	i Rumps	ReliefiVIV	Agitator
Light Liquid (LL)	0.0035	0.0005			0.0386		0.0005
Gas / Vapor (G/V)			0.0089	0.0029		0.2293	
Heavy Liquid (HL)	0.0007	0.00007	-		0.0161		0.00007

No monitoring efficiencies are claimed for this process.

	Total	***	
Speciation	lb/hr	TPY	
Organic WW Feed	0.0137	0.0602	@30%
Recovered Solvent	0.0766	0.3355	@100%
Separated WW	0.0004	0.0016	@4%
Total	0.0907	0.3973	

Total is only organic component of the mixture.

Speciation

	Emis	sions
Name	lb/hr	ton/yr
Butanol	0.0907	0.3973
Ethanol	0.0907	0.3973
Isopropanol	0.0907	0.3973
Methanol	0.0907	0.3973
Methyl Ethyl Ketone	0.0907	0.3973
Methyl Isobutyl Ketone	0.0907	0.3973
Propanol	0.0907	0.3973
Tetrahydrofuran	0.0907	0.3973
Toluene	0.0907	0.3973
Hexane	0.0907	0.3973
Mineral Oil	0.0907	0.3973

1) Composition is based on worst case weight fraction for each component to allow for variation.

ATTACHMENT B PBR AUTHORIZATIONS BY EQUIPMENT

FOLUDATAIT	FDM	DECORIDATION	AUTHO	DRIZATION
EQUIPMENT	EPN	DESCRIPTION	EQUIPMENT	EMISSIONS
VWST-1	TO-01	VOC/Water Separator Vessel	106.532	106.261/106.262
T-2	T-2	Wastewater Receiving Tank	106.532 or 106.472(2)	106.261/106.262
T-3	T-3	Wastewater Treatment Tank	106.532(D), (I) & (J)	106.261/106.262
T-4	T-4	Wastewater Clarifier Tank	106.532(G)	106.261/106.262
Loading / Unloading	Ning VWS-LDG Material Loading / 106.473(4		106.472(2) / 106.473(4) / 106.261	106.261/106.262
Fugitives	VWS-FUG	Organic Process Fugitives	106.261 / 106.262	106.261/106.262

Equipment PBR Applicability

VOC/Water separator vessel [106.532]

The vessel is used to accomplish the liquid phase separation of VOC and water. The vessel is vented to a direct flame combustion device (thermal oxidizer unit; Standard Permit No. 86272) operated at a combustion chamber temperature of 1400°F and equipped with a continuous temperature monitor and recorder for compliance verification.

Wastewater receiving tank [106.472(2) or 106.532]

The tank is used to receive and store wastewater prior to treatment.

Wastewater treatment tank [106.532(I) & (J)]

The tank is used to treat the wastewater via pH adjustment (neutralization) and flocculation and settling (sedimentation) of solids.

Wastewater clarifier tank [106.532(G)]

The tank is used for wastewater clarification prior to discharge or disposal.

Material Loading/Unloading [106.472(2)]

Equipment used for tank trailer loading and unloading of the aqueous wastewater feed and separated wastewater streams.

Material Loading/Unloading [106.473(4)]

Equipment used for tank trailer loading of the recovered organic solvents.

Material Loading/Unloading [106.261]

Equipment used for tank trailer loading of the recovered Methyl Ethyl Ketone (MEK) solvent (listed in 40 CFR 261, Appendix VIII).

Fugitives [106.261/106.262]

Potential fugitive leaks from equipment and piping components.

FORMS



I. REGISTRANT INFORMATIO	N						
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regi	lated Entity Number	r: RN-100693282			
Note: If "NO," CN or RN number was entered above; please fill out the required Core Data Form, which will be available in Step II of the submittal process.							
B. Company or Other Legal Customer Na	B. Company or Other Legal Customer Name: CES Environmental Services, Inc.						
Company Official Contact Name: Matt Boy	Company Official Contact Name: Matt Bowman Title: President						
Mailing Address: 4904 Griggs Road	_						
City: Houston		State: Texas	,	Zip Code:77021			
Phone No.: 713-676-1460	Fax No.: 713-676-1	676	E-mail Address: m	bowman@cesenviormental.com			
C. Technical Contact Name: Philip Evans	S		Title: Director Tec	hnical Services			
Company: The WCM Group, Inc.							
Mailing Address: P.O. Box 3247			-				
City: Humble		State: Texas	3	77347			
Phone No.: 281-446-7070	Fax No.: 281-446-3	348	E-mail Address: pevans@wcmgroup.com				
D. Facility Location Information - Street	Address: 4904 Grigg	s Road					
If "NO," street address, provide written dr	riving directions to th	ne site: (attach de	escription if addition	al space is needed)			
		<u></u>					
City: Houston		County: Harris		Zip Code: 77021			
II. FACILITY AND SITE INFOR	MATION	•					
A. Name and Type of Facility: CES Envi	ronmental Services, 1	Inc.		Permanent Portable			
B. PBR claimed under 30 TAC § 106 (La	ist all):						
§ 106. 261		§ 106.473					
§ 106.262	§ 106.532						
§ 106.472 § 106.							
		•					
Are you claiming a historical standard exemption or PBR? ☐ YES ☒ NO							
If "YES," enter effective date and Rule Nu	mber:						



II. FACILITY AND SITE INFORMATION (continued)					
C. Is there a previous Standard E. (Attach details regarding change)		y in this registration?			☐ YES 🖾 NO
If "YES," enter Registration Numb	er and Rule Number:				
D. Are there any other facilities	at this site which are authorize	ed by an Air Standard E	Exemption	n or PBR?	☑ YES ☐ NO
If "YES," enter Registration Numb	er and Rule Number:	83798, 84713, 86772		261, 262, 472,	532
E. Are there any other air preco	nstruction permits at this site	?			☐ YES 🖾 NO
If "YES," enter Permit Numbers:	X-15980	86272			
Are there any other air preconstruc	tion permits at this site that wo	uld be directly associated	l with this	project?	☐ YES 🗵 NO
If "YES," enter Permit Numbers:	86272				
F. Is this facility located at a site pursuant to 30 TAC Chapter 1	which is required to obtain a fe	ederal operating permit	Y	es 🛭 no 🗌 '	To be determined
If the site currently has an existing	federal operating permit, ente	r the permit number:			
Identify the requirements of 30 TA	C Chapter 122 that will be trig	gered if this certification	is accepte	ed.	
☐ Initial Application for an FOP	☐ Significant Revis	sion for an SOP	Minor	Revision for ar	a SOP
Operational Flexibility/off Perm	nit Notification for an SOP	☐ Revision for GOP	☐ To l	e Determined	⊠ None
Identify the type(s) issued and/or F	OP application(s) submitted/po	ending for the site. (Chec	ck all that	apply)	
□ SOP □ GOP	GOP application/rev	rision application: Subm	itted or ur	nder APD revie	w.
SOP application/revision application	cation: submitted or under AP	D review.	N/A		
G. TCEQ Account Identification	Number (if known):	HG 1270 B			
III. FEE INFORMATION					
To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.					
A. Is this registration an update to a previously registered facility and accompanied by a Certification Form solely to establish a federally enforceable emission limit?					
B. What is the fee amount?			_		



III. FEE INFORMATION (continued)	· · · · · · · · · · · · · · · · · · ·				
If "YES," to any of the following three questions, a \$100 fee is require. Otherwise, a \$45	0 fee is required.				
Does this business have less than 100 employees?		☐ YES 🛭 NO			
Does this business have less than 6 million dollars in annual gross receipts?		☐ YES 🖾 NO			
Is this registration submitted by a governmental entity with a population of less than 10,00	0?	☐ YES 🛭 NO			
C. Check/Money Order or Transaction Number (Payable to TCEQ): ☐ YES ☒ NO	Was fee Paid online?	☐ YES 🖾 NO			
Company name of check: The WCM Group Inc.	Fee amount:	\$ 450			
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATIO	N				
Note: If claiming one of the following PBRs, complete this section, then skip to Section below:	VI., "Submitting your 1	egistration"			
Animal Feeding Operations § 106.161, Livestock Auction Facilities § 106.162, Saw Mill Drying § 106.283, Auto Body Refinishing Facilities §106.436, and Air Curtain Incinera		dling, Storage and			
A. Is the applicable PBR checklist attached which shows the facility meets all general and the PBR(s) being claimed? (If submitting electronically, click "YES.")	specific requirements of	☐ YES ☐ NO			
B. Distance from this facility's emission release point to the nearest property line:					
Distance from this facility's emission release point to the nearest off-property structure:	feet				
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REGULATORY REQUIREMENTS Registrants must be in compliance with all applicable state and federal regulations and standards to claim a PBR.					
Alogada and alogada and application of the state of the s		tim ti i Ditt			
A. Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES 🖾 NO			
	this registration?				
A. Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES 🛛 NO			
 A. Is confidential information submitted and properly marked "CONFIDENTIAL" with B. Is a process flow diagram or a process description attached? 		☐ YES ☒ NO ☒ YES ☐ NO			
 A. Is confidential information submitted and properly marked "CONFIDENTIAL" with B. Is a process flow diagram or a process description attached? C. Are emissions data and calculations for this claim attached? D. Is information attached showing how the general requirements (30 TAC § 106.4) of the second statements (30 TAC § 106.4). 	the PBR is met for this States Emissions Cap & Tra	☐ YES ☒ NO ☒ YES ☐ NO ☒ YES ☐ NO ☒ YES ☐ NO ☐ YES ☐ NO			
 A. Is confidential information submitted and properly marked "CONFIDENTIAL" with B. Is a process flow diagram or a process description attached? C. Are emissions data and calculations for this claim attached? D. Is information attached showing how the general requirements (30 TAC § 106.4) of Registration? (PBR checklists may be used, but are optional) Note: Please be reminded that if the facilities listed in this registration are subject to the Management of the subject to the M	the PBR is met for this Iass Emissions Cap & Tra st possess NO _x allowance	☐ YES ☒ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO			
 A. Is confidential information submitted and properly marked "CONFIDENTIAL" with B. Is a process flow diagram or a process description attached? C. Are emissions data and calculations for this claim attached? D. Is information attached showing how the general requirements (30 TAC § 106.4) of Registration? (PBR checklists may be used, but are optional) Note: Please be reminded that if the facilities listed in this registration are subject to the M. 30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities mulactual NO_x, emissions from these facilities. E. Is information attached showing how the specific PBR requirements are met for this remainded. 	the PBR is met for this Iass Emissions Cap & Tra st possess NO _x allowance	☐ YES ☒ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ Ade program under es equivalent to the			
 A. Is confidential information submitted and properly marked "CONFIDENTIAL" with B. Is a process flow diagram or a process description attached? C. Are emissions data and calculations for this claim attached? D. Is information attached showing how the general requirements (30 TAC § 106.4) of Registration? (PBR checklists may be used, but are optional) Note: Please be reminded that if the facilities listed in this registration are subject to the M. 30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities mulactual NO_x, emissions from these facilities. E. Is information attached showing how the specific PBR requirements are met for this representation attached showing how the specific PBR requirements are met for this representation. 	the PBR is met for this Iass Emissions Cap & Tra st possess NO _x allowance	☐ YES ☒ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO			

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

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VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE: Track Bourn	DATE:
(ORIGINAL SIGNATURE REQUIRED)	12-30-08

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

Processing delays may occur if copies are not sent as noted.					
Who	Where	What			
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments			
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form			
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.			
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air-permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.			

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

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Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

	lectronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. [ard-Copy Submittal - Print and complete the following checklist.]					
equi of the from	rements. If you do not not be PBR are met or you n	signed to help you confirm that you mee meet all the requirements, you may alter may obtain a construction permit. The l mission on Environmental Quantits/air permits.html.	the project design or operation in PBR forms, tables, checklists and	such a guida	way that all the rance documents a	equirements are available
CH	ECK THE MOST	APPROPRIATE ANSWER				
	Is a description or che 30 TAC § 106.4 attac	ecklist of how this claim meets the gener hed?	ral requirements for the use of PB	Rs in	X yes 🗆 N	O □N/A
ь1		ruction of a facility authorized in anothe effect? If "YES," this PBR cannot be			□ YES X N	io □n/a
b2		change to any facility authorized und andard permit? If "YES," this PBR cann			□ YES X N	IO □N/A
a1	structure not occupied	ges located at least 100 feet from any of dor used solely by the owner or operate the facilities are located?			X YES 🗆 N	IO □N/A
a2		eased emissions, including fugitives, les er year of the following materials (checl		hour	X YES D N	IO 🗆 N/A
000000000x00	acetylene argon butane crude oil carbon monoxide cyclohexane cyclohexene cyclopentan ethyl acetate ethanol ethyl ether ethylene	☐ helium ☐ isohexane X isopropyl alcohol ☐ methyl acetylene ☐ methyl chloroform ☐ methyl cyclohexane ☐ neon ☐ nonan ☐ oxides of nitrogen ☐ propane X propyl alcohol ☐ propylene	propyl ether sulfur dioxide alumina calcium carbonate calcium silicate cellulose fiber cement dust emery dust glycerin mist gypsum iron oxide dust kaolin		limestone magnesite marble pentaerythritol plaster of paris silicon silicon carbide starch sucrose zinc stearate zinc oxide	
a3	a3 Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance Limitations)? List chemical:see calculations L value:see calculations L value:see					
	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical DYES DNO XN/A not listed or referenced in Table 262? List chemical:					

TCEQ - 10121 [Revised 10/04] PBR Checklist for Facilities (Emission Limitations) This form for use by facilities subject to air quality permit requirements and may be revised periodically. [APDG 5018v4]

] 	Are total new or increased emissions, including fugitives, of a chemical with a limit value of less than 200 mg/m ³ ? If "Yes" the authorization of the chemical is not allowed under this section. We suggest you use 30 TAC §106.262 to authorize the emissions, if applicable.	□ YES □ NO XN/A				
a4	Are there any changes to or additions of any existing air pollution abatement equipment?	□ YES X NO □N/A				
a5	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	□ YES X NO □N/A				
a 6	Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.					
a7	Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one):	X YES □ NO □N/A				
	 Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. 					



Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.262 (30 TAC § 106.262) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air permits.html.

CHECK THE MOST APPROPRIATE ANSWER					
of PBRs in 30 TAC § 10	Is a description or checklist of how this claim meets the general requirements for the use of PBRs in 30 TAC § 106.4 attached?			□ NO	□ N/A
or for which a standard p authorize emissions fron		annot be used to	☐ YES	X NO	□ N/A
or authorized under a sta emissions from the proje		not be used to authorize	☐ YE\$	XNO	□ N/A
If "YES," subsection (a) chemicals at the facility.	under another section of this chapter (2) and (3) of this section may be used	l to qualify the use of other	X YES	□ NO	□ N/A
or other structure not oc				□NO	□ N/A
a2. Are new or increased emissions, including fugitives, emitted in a quantity less than five tons per year or in a quantity less than E as determined by using the equation E=L/K? See Table 262 Figures 1 and 2. If "YES," the notification shall include a description of the project, calculations for all emissions being claimed under this PBR:			X YES	□ NO	□ N/A
Chemical: n-butanol; tetrahydro	ofuran; toluene; hexane L value: _76	5; 590; 188; 176 D:_	125	K:	290
a3. Is this checklist attached to a Form PI-7 within ten days following the installation or modification of the facilities? If "YES," the notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, and a description of pollution control equipment, if any			X YES	□ NO	□ N/A
	following chemicals is handled for taswer the following four questions.	his registration? (Check all	☐ YES	X NO	□ N/A
acrolein allyl chloride ammonia (anhydrous) arsine boron trifluoride bromine carbon disulfide chlorine chlorine dioxide chlorone trifluoride chloroacetaldehyde chloropicrin chloroprene	diazomethane diborane diglycidyl ether dimethylhydrazine ethyleneimine ethyl mercaptan fluorine formaldehyde (anhydrous) hydrogen bromide hydrogen cyanide hydrogen fluoride hydrogen selenide	hydrogen sulfide ketene methylamine methyl bromide methyl hydrazine methyl isocyanate methyl mercaptan nickel carbonyl nitric acid nitric oxide nitrogen dioxide oxygen difluoride	perchlo phospe phospe phospe seleniu hexaflu liquefic	oromethyl n oryl fluoride one nine norus trichlo	oride ne oxide

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)



Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

					_	
	Are all facilities are located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor? Are the cumulative amount of any of the following chemicals resulting from one or more authorizations under this section (but not including permit authorizations) less than or equal to 500 pounds on the plant property?			☐ YES	□ NO	□ N/A
				☐ YES	□ NO	□ N/A
		es Departn	andled only in unheated containers operated in compliance with nent of Transportation regulation (49 Code of Federal 3)?	☐ YES	□NO	□ N/A
	Are any change	es to or add	litions of any existing air pollution abatement equipment?	☐ YES	□ NO	□ N/A
a5.	Are there any o	hanges to	or additions of any existing air pollution abatement equipment?	☐ YES	XNO	□ N/A
аб.			emissions, except uncombined water, emitted to the atmosphere esource in amounts greater that 5.0% opacity in any six-minute	☐ YES	X NO	□ N/A
	D, Feet	K				
	100	326	E-maximum allowable hourly emission, and never to exceed 6	pounds per	hour.	
	200	200				4
	300	139				
	400	104				
	600	65				
	700	54				
	800	46	K=value from the table on this page. (interpolate intermediate	values)		
	900	39				
:	1,000	34				
2	2,000	14	D=distance to the nearest off-plant receptor			
	3.000 or more	8				

TABLE 262 LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING § 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for new Construction or Modification).

Compound	Limit (L) Milligrams Per Cubic Meter
Acetone	590.
Acetaldehyde	9.
Acetone	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptain	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound Dipropylamine	Limit (L) Milligrams Per Cubic Meter 8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene 2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16.
Heptane	350.
Hexanediamine, 1, 6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-T-Butyl Ether	45.
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Merthyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound	Limit (L) Milligrams Per Cubic Meter
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350.
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous-precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succiononitrile	20.
Tolidin	0.02
Trichloroethylene	135.
Trinethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (AGGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.



Texas Commission on Environmental Quality

Exemption §106.472 Checklist (Previously Standard Exemption 51)

Organic Liquid Loading and Unloading

The following checklist is designed to help you confirm that you meet §106.472, previously Standard Exemption 51 (STDX 51), requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Exemption §106.472, previously Standard Exemption 51. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

<u>YES</u>	<u>NO</u>	<u>NA</u>	DESCRIPTION
<u>x</u>	_	-	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106, Subchapter A checklist is available)?
×	<u> </u>	_	Are all the facilities claimed for exemption specifically named in the general section of §106.472, previously STDX 51? (This exemption has been interpreted to allow mixing or blending but not chemical reaction in tankage.)
×	_	_	Is the equipment designed to prevent visible emissions?
<u>×</u>		_	Are all the chemicals to be loaded, unloaded, or stored described in §106.472, previously STDX 51(a) - (i)? Attach a list of the chemicals and identify the appropriate item of §106.472, previously STDX 51 that applies. Include additional supporting data. For example, a §106.472, previously STDX 51(i), claim should identify initial boiling points of all compounds to be covered.
_	_	×	Will aqueous ammonia solutions, hydrochloric acid, or acetic acid be vented through a water scrubber?
-	-	×	Are facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees F or greater listed in 40 CFR 261, Appendix VIII, located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? List these compounds and show their handling location on an attached scaled plot plan.



Texas Commission on Environmental Quality

Exemption §106.473 Checklist (Previously Standard Exemption 53)

Organic and Inorganic Liquid Loading and Unloading

The following checklist is designed to help you can confirm that you meet Exemption §106.473, previously standard exemption 53 (STDX 53) requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Exemption §106.473, previously standard exemption 53.

If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

<u>YES</u>	<u>NO</u>	<u>NA</u>	DESCRIPTION
×	_	-	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106.4 checklist is available)?
X	_	_	Are all the facilities claimed for exemption specifically named in the general section of §106.473, previously STDX 53? Attach a description.
<u>x</u>	-		Are all uncontrolled emissions, calculated using the version of AP-42 in effect at the time, less than 25 TPY of organic compounds or of any other air contaminant? Attach calculations.
×		_	Will the loading rate of the facilities always be less than 20,000 gallons per day averaged over any consecutive 30-day period?
-	-	×	Is the capacity of each tank less than or equal to 25,000 gallons (40,000 gallons for storage of sweet crude oil, sweet natural gas condensate, gasoline, and petroleum fuels)?
<u>×</u>	 .	_	Are all the chemicals to be loaded, unloaded, or stored described in §106.473(4)(A) & (B), previously STDX 53(d)(1) & (2)? Attach a list of the chemicals.
×		_	Will the facilities meet the applicable requirements of 30 TAC 115?
×	_		Have you checked 40 CFR 261, Appendix VIII to ensure that no listed compound is to be loaded, unloaded, or stored under this exemption?



Texas Commission on Environmental Quality

Exemption §106.532 Checklist (Previously Standard Exemption 61)

Water and Waste Water Treatment Units

The following checklist has been designed to help you confirm that you meet Exemption §106.532, previously standard exemption 61 (STDX 61), requirements. Any "no" answers indicate that the claim of exemption may not meet all requirements for the use of Exemption §106.532, previously standard exemption 61. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met or obtain a construction permit.

<u>YES</u>	<u>NO</u>	<u>NA</u>	<u>DESCRIPTION</u>
*	-	****	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106.4, previously §116.211 checklist is available)?
×	-	_	Are all the facilities claimed for exemption specifically named or described in §106.532, previously STDX 61's subparagraphs (a)(1)-(15)? Attach a list or detailed description of equipment to be constructed or modified.
<u>-</u>	-	×	Are all stripping and/or aeration units designed and operated to collect stripped gases and send them to a control device that meets the requirements of §106.533, previously STDX 68(e)? Attach a list or description of the strippers and/or aerators identifying the control device to be used for each one.
_	-	×	If combustion is used for control of stripped gases, are all final emissions of HCL resulting from combustion of chlorine or chlorine-containing compounds less than or equal to 0.1 lb/hr?
<u>*</u>		-	If the sum of the partial pressures of all species of VOC in any sample are greater than 1.5 psia, are all liquid phase separators enclosed and vented to a control device meeting the requirements of §106.533, previously STDX 68(e)? Attach a list or description for each one of the separators identifying the sum of VOC partial pressures or the control device to be used.
X	· •		Have you checked to ensure that none of the facilities claimed for exemption fall in any of the categories of prohibited units listed in STDX §106.532, previously 61(b)?

FIGURE 1 SITE LOCATION MAP

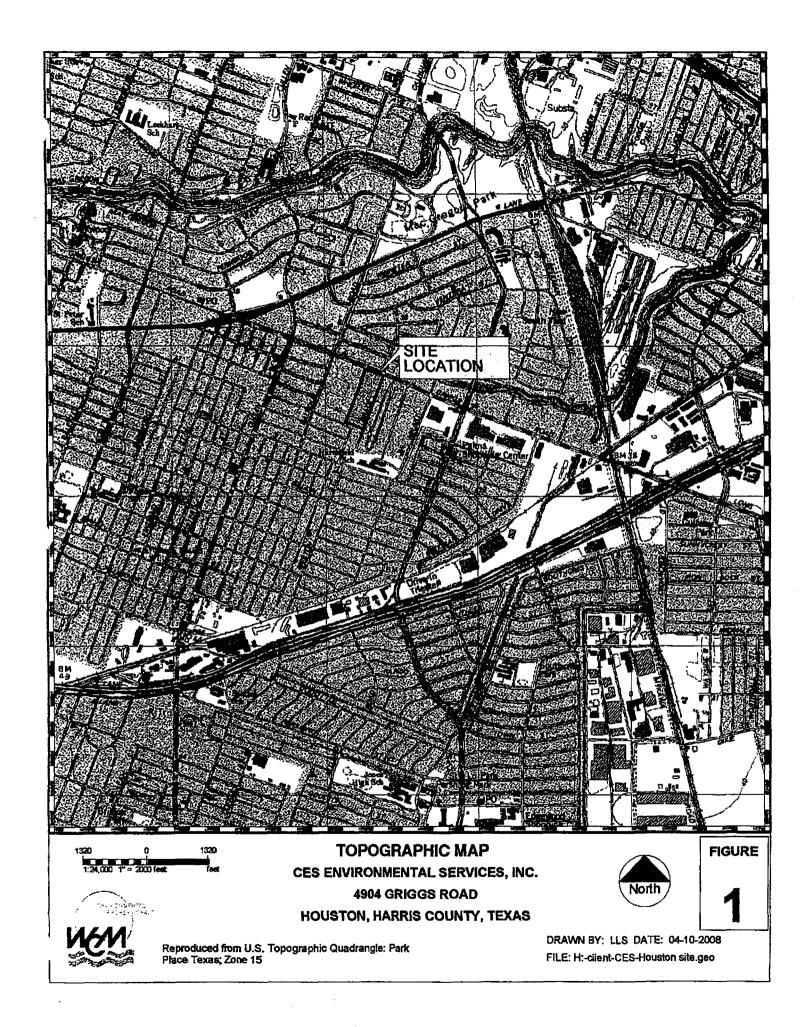


FIGURE 2 FACILITY PLOT PLAN

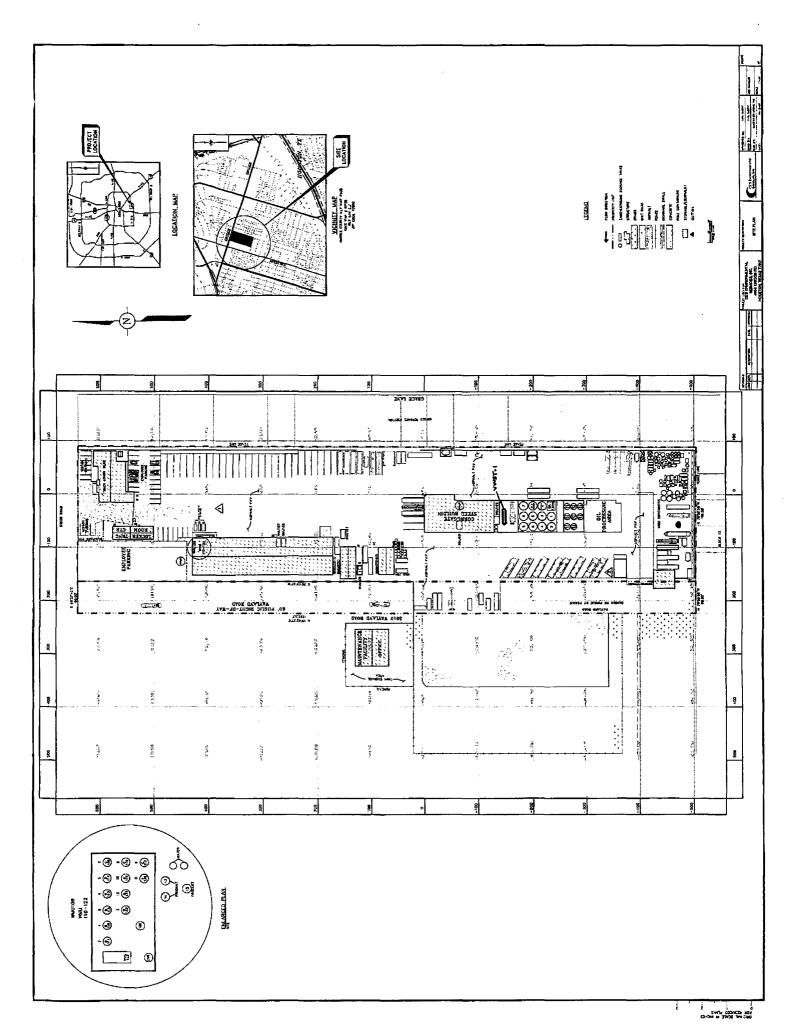
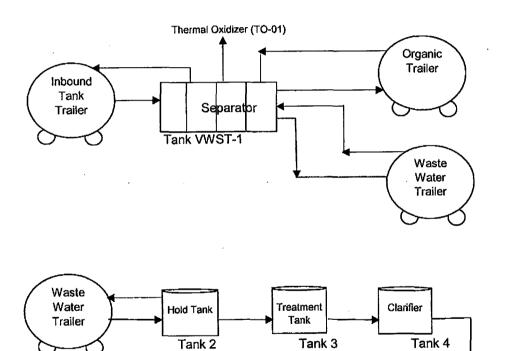


FIGURE 3 PROCESS FLOW DIAGRAM

CES ENVIRONMENTAL SERVICES, INC VOC / Water Separation Process



Wastewater discharge

PERMIT-BY-RULE AUTHORIZATION FOR RECYCLE DISTILLATION PROCESSING SYSTEM METHANOL AND MEK

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

January 2009

PERMIT-BY-RULE AUTHORIZATION FOR RECYCLE DISTILLATION PROCESSING SYSTEM METHANOL AND MEK

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Harris County, Texas

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INTRODUCTION

CES Environmental Services, Inc. (CES) operates a tank container cleaning facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and subsequent Permit-By-Rule (PBR) Registration No. 75375. Additional process operations are authorized under PBR Registration Nos. 83798, 84713, 86772. Standard Permit No. 86272 was issued authorizing installation and operation of a thermal oxidizer for vapor control. CES is submitting the enclosed documentation to demonstrate PBR authorization for the operation of a recycling process to produce Methanol or Methyl Ethyl Ketone (MEK) from aqueous feed streams.

The feed streams consist of either a mixture of Methanol, non-volatile polymers and water or a mixture of MEK and water. The streams enter the facility in a truck tank and are pumped into the recycle distillation processing system. The process separates Methanol or MEK from the feed stream by distillation and recovery of the overhead vapor. The residual water remaining from the recycle distillation process is sent to the existing on-site wastewater treatment facility. Further details on these operations can be found in the Process Description section of this registration.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this project is approximately 1.2 tons per year (tpy) of VOC. As a result, the project does not trigger nonattainment netting.

A PI-7-CERT form, as well as TCEQ §106.4, and §106.261 Checklists, are provided in the Forms section of this report. Emission calculations are provided in Attachment A. A Site Location Map, Facility Plot Plan, and Process Flow Diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

A mixture of Methanol, non-volatile polymer solids (primarily Ethylene Vinyl Acetate-Ethylene Vinyl Alcohol Copolymer with small amounts of Ethylene Vinyl Acetate Polymer and Ethylene Vinyl Alcohol Polymer), and water enters the facility through tank truck or other transport vessel. Alternatively, a mixture of MEK and water is received from a tank truck or other transport vessel.

The Methanol mixture may be pumped through a filter to remove the solids if needed and then into the recycle distillation system for processing. When processing the MEK mixture, the feed stream is pumped directly into the recycle distillation system, as filtration is not required.

The recycle distillation system is heated to approximately 120° to 180° F to separate Methanol or MEK from the water. The Methanol or MEK vapor from the recycle distillation process passes through a condenser where it is cooled to approximately 70°F and condensed to liquid form. Emissions of any uncondensed vapor from the distillation system are routed to a diesel scrubber and then to activated carbon drums before being vented to the atmosphere. The condensed material is accumulated in the product tank trailer. The product trailer is also vented to the scrubber/carbon system.

The water remaining from the distillation process is then sent to the existing on-site wastewater treatment facility. The recovered water from the MEK process may be stored in Tanks OT-11 or OT-14 prior to transfer to the wastewater treatment facility. Tanks OT-11 and OT-14 maintain an elevated temperature of approximately 170° when storing the MEK process water. The tanks vent to the existing thermal oxidizer (EPN TO-01) authorized by Standard Permit No. 86272.

2.0 EMISSIONS SUMMARY

Emissions from the Methanol or MEK recovery operation are calculated based on several process steps. Exhaust exiting the carbon units is monitored daily to ensure VOC emitted to the atmosphere remains below 100 ppmv. This limit includes both Methanol and MEK vapors. The emission calculations for all emissions venting through controls are, therefore, conservatively calculated based on the volume displaced and a 100 ppmv concentration of VOC in the carbon bed exhaust. The carbon bed is replaced with fresh carbon when its exhaust concentration reaches 100 ppmv VOC.

Loading and unloading of material to and from the transport vessels is vapor balanced back to the trailer or tank. As a result, there are no emissions from transfer activities except from the disconnecting of transfer lines. Emissions from disconnecting of hoses are calculated assuming the vapor volume inside the hose is saturated with the last material to pass through the hose. It also assumes that all of the liquid residue in the line evaporates and this is calculated using the liquid clingage factor from AP-42 Chapter 7.

Wastewater from the MEK process may contain residual MEK. MEK emissions from storage of the wastewater in tanks OT-11 or OT-14 are calculated using methods specified in AP-42. The tanks vent to the thermal oxidizer (EPN TO-01).

Fugitive emissions from potential leaks at valves, pumps, and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". No credit is taken for fugitive inspections or monitoring.

The emission calculations for the scrubber/carbon system vent conservatively assume a 100 ppmv concentration for both Methanol and MEK for PBR compliance evaluation purposes. The emission total is based on both Methanol and MEK at full production rates. The total project increase is 1.2 tpy, which is well below the level requiring nonattainment or PSD review.

ATTACHMENT A EMISSION CALCULATIONS

PBR EVALUATION SUMMARY

Total Emissions

Chemical	CAS	TLV	PBR	Li	mit	Ac	tual	PBR Co	mpliance
Chemical	CAS	ILV	PBK	lb/hr	tpy	lb/hr	tpy	lb/hr	TPY
Ethylene Vinyl Acetate	24937-78-8	10	N/A	N/A	N/A	0	0	YES	YES
Ethylene Vinyl Alcohol		10	N/A	N/A	N/A	0	0	YES	YES
Ethylene Vinyl Acetate- Ethylene Vinyl Alcohol Copolymer	26221-27-2	10	N/A	N/A	N/A	0	0	YES	YES
Water	7732-18-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methanol	67-56-1	262	106.261	1.0	4.38	0.283	1.175	YES	YES
Methyl Ethyl Ketone (MEK)	78-93-3	560	106.261	1.0	4.38	0.919	1.198	YES	YES
Diesel	68334-30-5	N/A	106.261	6.0	10.0	0.048	0.003	YES	YES
Total VOC	N/A	N/A	N/A	N/A	25	0.981	1.202	N/A	N/A

Diesel is evaluated as a refinery petroleum faction containing < 10% benzene [106.261(a)(2)]

Notes:

For evaluation purposes, it is conservatively assumed that all process steps can occur in the same hour.

The TLV for Inhalable Particulate Not Otherwise Classified is used for all solid materials.

Total VOC is the sum of emissions for each VOC except that fugitives are counted only once since they were conservatively estimated for each chemical at 8760 hrs of service.

DATA ENTRY Tank Identification		OT-11 or OT-14
EPN		TO-01
Material Stored		Separated WW
Tank Capacity	Vol., gallons	16,800
Throughput	gallons	260,000
Tank Controlled	Yes/No	200,000 Yes
Control Efficiency	e. %	95.00
Shell Height	Hs. ft	20.0
Shell Length	Ls. ft	12.0
Orientation	Vert=1/Horiz=2	12.0
Fill Rate	gallons/hr	5,000
i iii Nate	gallonsini	5,000
Molecular Weight, lb/lb-mole		27.162
Vapor Pressure @ Tln, psia	625 R	6.875857
Vapor Pressure @ Tla, psia	630 R	7.649371
Vapor Pressure @ Tlx, psia	635 R	8.487594
Max. Vapor Pressure @ Tlx. psia	635 R	8.487594
ESTIMATED EMISSIONS		
Maximum Hourly Losses	Lm, lb/hr	27.445
Standing Losses	Ls, lb/yr	718.51
Working Losses	Lw, lb/yr	1,286.20
Uncontrolled Total Losses	Lt, lb/yr	2,004.71
	Lt, ton/yr	1.0024
Controlled Total Losses	Lmc, lb/hr	1.3723
	Ltc, ton/yr	0.0501
PHYSICAL PARAMETER CALCU	LATIONS	
Diameter, D Effective diameter	, De	12.0
Avg. Liquid Height	HI, ft	10.0
Max. Liquid Height	HIx, ft	19.9
Cone Roof Outage	Hro, ft	0.125
Vapor Space Outage	Hvo, ft	10.125
Vapor space volume	Vv, ft^3	1144.53
Breather vent pressure setting	Pbp, psig	0.03
Breather vent vacuum setting	Pbv, psig	-0.03
Gas Constant	R, psia-ft^3/lb mole-R	10.732
Vapor Density	Wv, lb/ft^3	0.0307
Daily vapor pressure range	^Pv, psia	1.6117
Vapor space expansion factor	Ke	0.286
Vented vapor saturation factor	Ks	0.196
Working Loss Product Factor	Kp	1.00
Net Annual Throughput	Q, bbl/yr	6,190.5
Turnovers	N N	15.5
Turnovers Turnover factor	Kn	1.00

MAX. HRLY LOSSES: STANDING LOSSES: $Lm = (Lwmax \times FR)/(N \times Vol)$ $Ls = 365 \times Vv \times Wv \times Ke \times Ks$

WORKING LOSSES:

Lw = 0.0010 x Mv x Pva x Q x Kn. x Kp Lwmax = 0.0010 x Mv x Pvx x Q x Kn. x Kp

UNCONTROLLED

TOTAL HOURLY LOSSES: TOTAL ANNUAL LOSSES: Lt. = (Ls + Lw) Lt. = (Ls + Lw) / 2000 lb/ton

CONTROLLED

TOTAL HOURLY LOSSES:

TOTAL ANNUAL LOSSES:

Lt. = (Ls + Lw) x (1-e/100) Lt. = (Ls + Lw) / 2000 lb/ton x (1-e/100)

METEROLOGICAL CALCULATIONS:

Data Location	Houston, TX	ANNUAL	MAX HRLY
Daily avg. liquid surface temp, R	Tla	630.00	630.00
Daily avg. ambient temp, R	Taa	528.25	543.05
Liquid bulk temp, R	Tb	531.33	546.13
Daily solar insulation factor, Btu/ft^2 day	1	1351	1898
Atmospheric pressure, psia	Pa	14.7	14.7
Daily max. ambient temp, R	Tax	539.1	553.6
Daily min. ambient temp, R	Tan	517.4	532.5
Daily vapor temp. range, R	^Tv	41.35	51.33
Daily max. liquid surface temp., R	Tlx	635.00	635.00
Daily min. liquid surface temp., R	Tln	625.00	625.00
Solor absorbance factor	а	0.68	0.68

Tla, Tin, Tix values based on temperature control

Opeciation			
	vapor wt	Emissions	
Component	frac.	lb/hr	TPY
Water	0.551	0.7562	0.0276
MEK	0.449	0.6160	0.0225
Total	1.000	1.372	0.050

5330022.calc.xls

CES Environmental Services

Displacement Calculations

Emissions are routed through carbon adsorption beds with a maximum exhaust concentration of 100 ppmv VOC

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000 lb = n*MW = MW(PV/RT)

 MW =
 32.04 lb/lbmole
 Methanol

 MW =
 72.11 lb/lbmole
 MEK

 MW =
 130 lb/lbmole
 Diesel

 P =
 14.7 psia

V= changes with each transfer

 $R = \frac{10.73 \text{ (psi*ft3)/(lbmole*R)}}{10.73 \text{ (psi*ft3)/(lbmole*R)}}$

T = 80 F = 540 R

C = 100 ppmv VOC

Emissions from unloading into distillation tank.

1.70E-04

The Methanol or MEK mixture is pumped from the incoming tank truck trailer into the recycle distillation tank.

V (hourly) = 5000 gal/hr = 668.45 ft3/hr V (annual) = 520,000 gal/yr = 69518.72 ft3/yr moles/hr moles/yr n = 1.70 176.37

1.76E-02

Emissions		
Chemical	lb/hr	tpy
Methanol	0.00543	0.00028
MEK	0.01223	0.00064
Diesel	0.02205	0.00115

Emissions from distillation tank.

n(VOC) =

The distillation tank is heated to remove the Methanol or MEK from the water. The overhead vapors are cooled to 80F.

Flow rate is conservatively based on maximum vapor displacement.

V (hourly) = 5000 gal/hr = 668.45 ft3/hr V (annual) = 520,000 gal/yr = 69518.72 ft3/yr

moles/hr moles VOC/hr n = 1.70 176.37 n (VOC) = 1.70E-04 1.76E-02

Emissions		
Chemical	lb/hr	tpy
Methanol	0.0054	0.0003
MEK	0.0122	0.0006
Diesel	0.0220	0.0011

Emissions from transfer of recovered material to tank truck (loading)

Methanol or MEK recovered from the distillation process is routed into the product truck tank.

 V (hourly) =
 800 gal/hr =
 106.95 ft3/hr

 V (annual) =
 260,000 gal/yr =
 34759.36 ft3/yr

moles/hr moles/yr n = 0.27 88.19 n (VOC) = 2.71E-05 8.82E-03

Emissions		
Chemical	lb/hr	tpy
Methanol	0.0009	0.0001
MEK	0.0020	0.0003
Diesel	0.0035	0.0006

CES Environmental Services Hose Clearing/Disconnecting Emissions

Hose Length: 30

Hose Diameter: 3 inch = 0.25 ft

Hose Volume: 0.0491 ft3

Events Per Year: 104

Product Loading Hoses:

The liquid hose between the distillation tank and the product tank trailer is blown with air into the tank trailer.

feet

The displaced vapors are included in the loading emissions. The hose is then disconnected.

The remaining saturated vapor volume in the hose is released to the atmosphere.

$$lb = MW*n = MW(PV/RT)$$

 $Vpa = 2.6412 psia$

Material	lb/hr	tpy
Methanol	7.17E-04	3.73E-05
MEK	0.00E+00	0.00E+00

Distillation Tank Transfer Hose:

The same calculation can also represent the disconnecting the hose from the inbound truck to the distillation tank. It is assumed the vapor reminaing in the hose is staurated.

$$Ib = MW*n = MW(PV/RT)$$

	Liquid		Mole		Emissio		sions
MATERIAL	Composition (%)	MW (lb/lb-mole)	Fraction	Temperature (F)	VPa (psia)	(lb/hr)	(tpy)
Methanol	100.00	32.0	3.0169	80	7.968	2.16E-03	1.12E-04
MEK	100.00	72.1	6.7900	80	13.429	8.20E-03	4.26E-04

The non-volatile solids are excluded from the composition to conservatively calculate and evaluate the methanol emissions.

CES Environmental Services Fugitive Emissions

Distillation Tank

Component			Emission	Operating	Emissions	
Type	Service	Quantity	Factor	Schedule	lb/hr	tpy
Valves	Light Liquid	20	0.0035	8760	0.0700	0.3066
Valves	Gas/Vapor	6	0.0089	8760	0.0534	0.2339
Flanges	Light Liquid	42	0.0005	8760	0.0210	0.0920
Flanges	Gas/Vapor	16	0.0029	8760	0.0464	0.2032
Pumps	Light Liquid	2	0.0386	8760	0.0772	0.3381
note: no control	efficiency taken.	-			0.2680	1.1738

Speciation		Emissions			
Material	Wt %	lb/hr	tpy		
Methanol	100	0.2680	1.1738		
MEK	100	0.2680	1.1738		
VOC Max		0.2680	1.1738		

Emissions for Methanol and MEK conservatively assume 8760 hours of service each, at 100% concentration. This is conserative because both process streams do not occupy the same equipment at the same time.

FORMS



I. REGISTRANT INFORMATIO	N					
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regu	TCEQ Regulated Entity Number: RN-100693282			
Note: If "NO," CN or RN number was entered above; please fill out the required Core Data Form, which will be available in Step II of the submittal process.						
B. Company or Other Legal Customer Name: CES Environmental Services, Inc.						
Company Official Contact Name: Matt Bowman Title: President						
Mailing Address: 4904 Griggs Road						
City: Houston		State: Texas	State: Texas Zip Code:			
Phone No.: 713-676-1460	Fax No.: 713-676-16	76	E-mail Address: mbowman@cesenviormental.			
C. Technical Contact Name: Philip Evans	3		Title: Director, Technical Services			
Company: The WCM Group, Inc.						
Mailing Address: P.O. Box 3247						
City: Humble		State: Texas		77347		
Phone No.: 281-446-7070	Fax No.: 281-446-33	o.: 281-446-3348		E-mail Address: pevans@wcmgroup.com		
D. Facility Location Information - Street Address: 4904 Griggs Road						
If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed)						
City: Houston	County: Harris		Zip Code: 77021			
II. FACILITY AND SITE INFORMATION						
A. Name and Type of Facility: CES Envir	ıc.		Permanent Porta	able		
B. PBR claimed under 30 TAC § 106 (List all):						
§ 106. 261		§ 106.				
§ 106.		§ 106.	§ 106.			
§ 106.	§ 106.					
Are you claiming a historical standard ex	Are you claiming a historical standard exemption or PBR? ☐ YES ☒ NO					
If "YES," enter effective date and Rule Nu	mber:		J. 100 100 100 100 100 100 100 100 100 10			



II. FACILITY AND SITE INFORMATION (continued)							
C. Is there a previous Standard Exemption or PBR for the facility in this registration? (Attach details regarding changes.)					☐ YES ⊠ NO		
If "YES," enter Registration Number and Rule Number:							
D. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?					YES □ NO		
If "YES," enter Registration Number and Rule Number: 75375, 83798, 84713, 86772 261, 262,					, 532		
E. Are there any other air preco	nstruction permits at this site	?					
If "YES," enter Permit Numbers:	X-15980	86272					
Are there any other air preconstruc	tion permits at this site that wo	ould be directly associated	l with this	project?	☐ YES ⊠ NO		
If "YES," enter Permit Numbers:	86272						
	F. Is this facility located at a site which is required to obtain a federal operating permit pursuant to 30 TAC Chapter 122?						
If the site currently has an existing	federal operating permit, ente	er the permit number:					
Identify the requirements of 30 TA	C Chapter 122 that will be trig	gered if this certification	is accepte	ed.			
☐ Initial Application for an FOP ☐ Significant Revision for an SOP ☐ Minor Revision for an SOP							
☐ Operational Flexibility/off Permit Notification for an SOP ☐ Revision for GOP ☐ To be Determined					None None		
Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. (Check all that apply)							
☐ SOP ☐ GOP ☐ GOP application/revision application: Submitted or under APD review.							
SOP application/revision applie	D review.	□ N/A					
G. TCEQ Account Identification Number (if known): HG 1270 B							
III. FEE INFORMATION							
To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.							
A. Is this registration an update to a previously registered facility and accompanied by a Certification Form solely to establish a federally enforceable emission limit? ☐ YES ☑ NO							
B. What is the fee amount?							



III.	FEE INFORMATION (continued)					
If "	YES," to any of the following three questions, a \$100 fee is require. Otherwise, a \$45	I fee is required.				
Doe	es this business have less than 100 employees?		☐ YES 🖾 NO			
Doe	es this business have less than 6 million dollars in annual gross receipts?		☐ YES ☒ NO			
Is th	nis registration submitted by a governmental entity with a population of less than 10,00	0?	☐ YES 🖾 NO			
C.	Was fee Paid online?	☐ YES 🖾 NO				
Cor	npany name of check: The WCM Group Inc.	Fee amount:	\$ 450			
IV.	SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATIO	N				
Ani	e: If claiming one of the following PBRs, complete this section, then skip to Section below: mal Feeding Operations § 106.161, Livestock Auction Facilities § 106.162, Saw Mill ing § 106.283, Auto Body Refinishing Facilities §106.436, and Air Curtain Incinera	s § 106.223, Grain Han	_			
A.	*A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed? (If submitting electronically, click "YES.")					
B. Distance from this facility's emission release point to the nearest property line:						
Dis		feet				
v.	TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL RE- Registrants must be in compliance with all applicable state and federal regulations.	_				
A.	Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES ☒ NO			
В.		⊠ YES □ NO				
C.	Are emissions data and calculations for this claim attached?	- 100-100	YES □ NO			
D.	he PBR is met for this	⊠ YES □ NO				
30 T	e: Please be reminded that if the facilities listed in this registration are subject to the M TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities multal NO_{X} , emissions from these facilities.					
E.	Is information attached showing how the specific PBR requirements are met for this r (<i>PBR checklist may be used, but are optional</i>)	egistration?	⊠ YES □ NO			
F.	F. Distance from this facility's emission release point to the nearest property line:					
Dist	tance from this facility's emission release point to the nearest off-property structure:		125 feet			
1	e: In limited cases, a map or drawing of the site and surrounding land use may be request of the TCEO Regional Office or local air pollution control program during an inv	-	cal review or at the			



VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE: DATE:		-		
(ORIGINAL SIGNATURE REOUIRED)	SIGNATURE:			DATE:
		(ORIGIN	NAL SIGNATURE REQUIRED)	

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

Who	Where	What
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

Company Name: CES Environmental Services, Inc.

Checklist completed by: The WCM Group, Inc.

Pacility Type: Product recovery

Permit(s) by rule claimed: 30 TAC Chapter §106: 261

Project Description (including equipment, materials, and brief process description):

A recovery distillation processing system will produce Methanol or MEK from organic polymer water mixtures.

СО	0.00	NO _X	0.00	VOC	1.20
PM	0.00	SO_2	0.00	Other	0.00

The following questions require a "Yes" or "No" answer to be indicated for this permit by rule claim:

A. Title 30 TAC § 106.4(a)(5): Current Permit by Rule Requirements

Yes X No

Have you checked to determine if this exempt project is being claimed under the current version of 30 TAC 106?

If "Yes", continue to next question If "No", please contact the Air Permits Division for a copy of the current permit by rule to be claimed.

B. Title 30 TAC § 106.4(a)(7): Permit by rule prohibition check

Yes No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule?

If "No ", continue to next question

If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit.

A new permit or permit amendment may be required.

List permit number(s):

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of§l 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

- A. dividing a complete project into separate segments to circumvent §106.4(a)(l) limits;
- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes□ No X Does your project meet any of the criteria listed above?

If "No", continue to next rule question If "Yes", a permit y rule may not be claimed.

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No□ Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No□ The maximum emissions from <u>all</u> facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist.



Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here	if submitting electronically.
Hard-Copy Submittal - Print and complete the following checklist.	

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air permits.html.

CF	CHECK THE MOST APPROPRIATE ANSWER						
	Is a description or che 30 TAC § 106.4 attac	Rs in	X YES □ NO □N/A				
b1	Is this claim for const standard permit is in project		□ YES X NO □N/A				
b2		change to any facility authorized uncandard permit? If "YES," this PBR cann			□ YES X NO □N/A		
al	Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located? X YES \square NO \square N/A						
a2	Are total new or increased emissions, including fugitives, less than or equal to 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials (check all that apply):						
	I argon □ isohexane □ sulfur dioxide □ magnesite I butane □ isopropyl alcohol □ alumina □ marble I crude oil □ methyl acetylene □ calcium carbonate □ pentaerythritol I carbon monoxide □ methyl chloroform □ calcium silicate □ plaster of paris I cyclohexane □ methyl cyclohexane □ cellulose fiber □ silicon I cyclohexene □ neon □ cement dust □ silicon carbide I cyclopentan □ nonan □ emery dust □ starch I ethyl acetate □ oxides of nitrogen □ glycerin mist □ sucrose I ethanol □ propane □ gypsum □ zinc stearate I ethyl ether □ propyl alcohol □ iron oxide dust □ zinc oxide				magnesite marble pentaerythritol plaster of paris silicon silicon carbide starch sucrose zinc stearate		
	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1						
a3	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance Limitations)? List chemical: Methanol / MEK L value: 262 / 590						
	Are total new or increase not listed or referenced	nical	□ yes □ no Xn/a				

TCEQ - 10121 [Revised 10/04] PBR Checklist for Facilities (Emission Limitations) This form for use by facilities subject to air quality permit requirements and may be revised periodically. [APDG 5018v4]

	Are total new or increased emissions, including fugitives, of a chemical with a limit value of less that 200 mg/m ³ ? If "Yes" the authorization of the chemical is not allowed under this section. We suggest you use 30 TAC §106.262 to authorize the emissions, if applicable.	
a4	Are there any changes to or additions of any existing air pollution abatement equipment?	☐ YES X NO ☐N/A
a5	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	✓ □ YES X NO □N/A
а6	Are emission increases five tons per year or greater? If "YES," this checklist must be attached to Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.	1
a7	Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one): X Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year.	

FIGURE 1 SITE LOCATION MAP

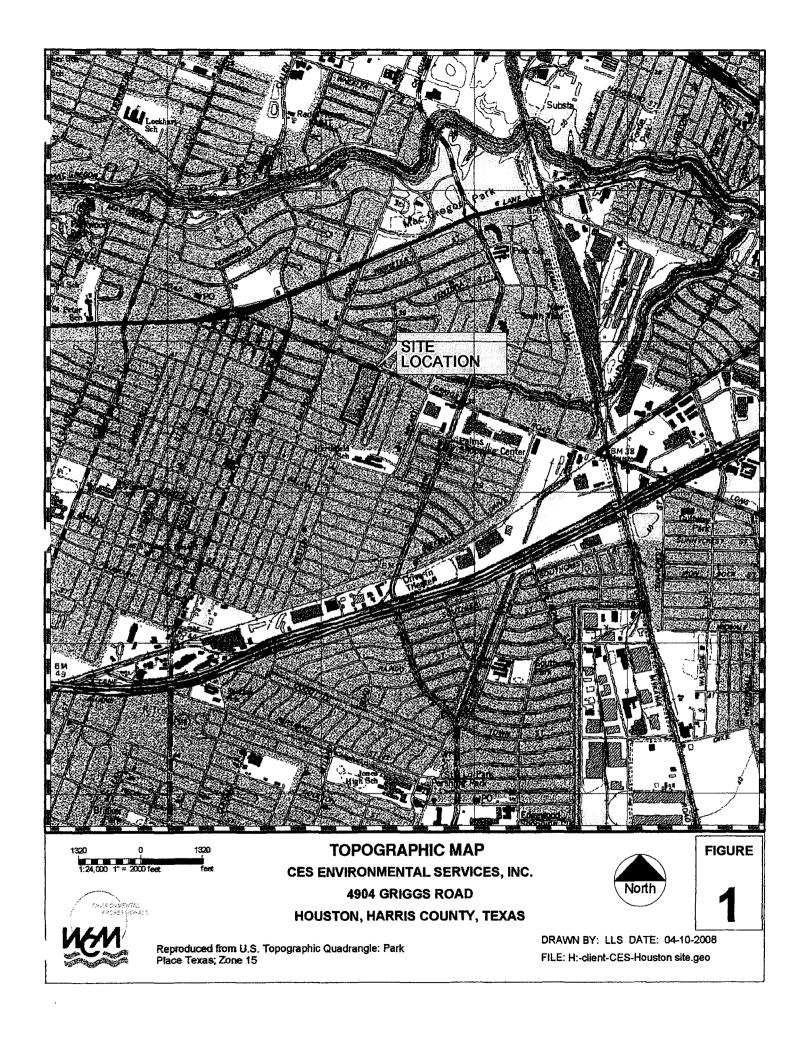


FIGURE 2 FACILITY PLOT PLAN

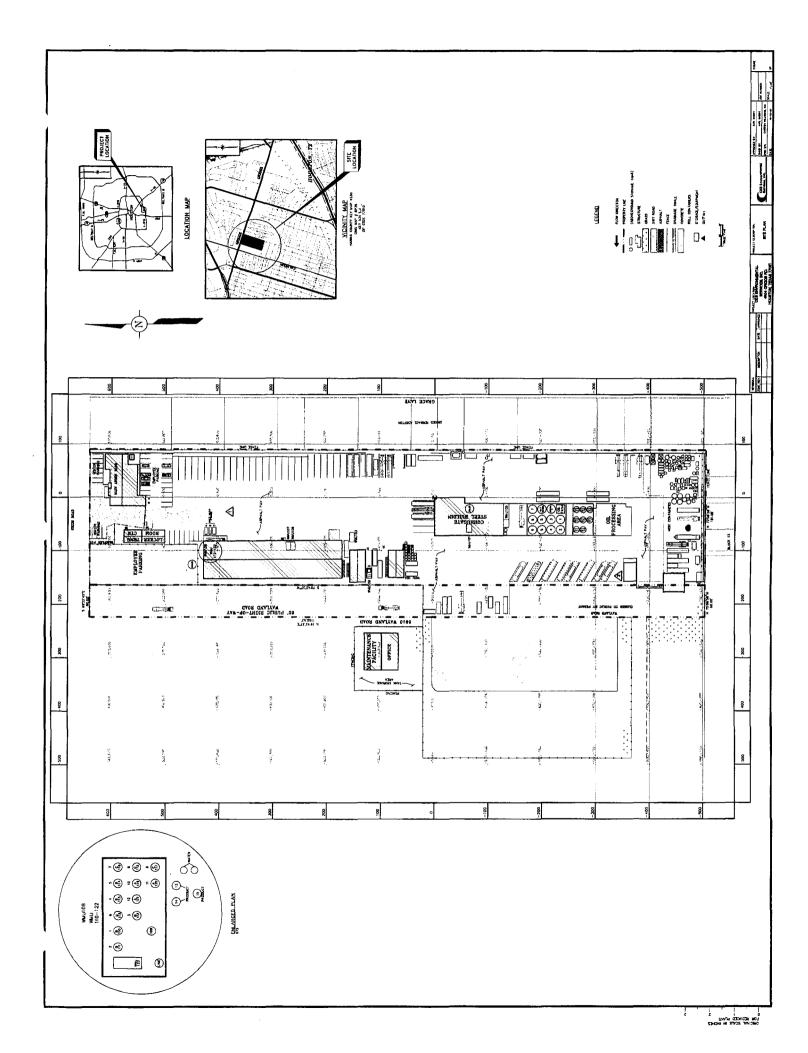
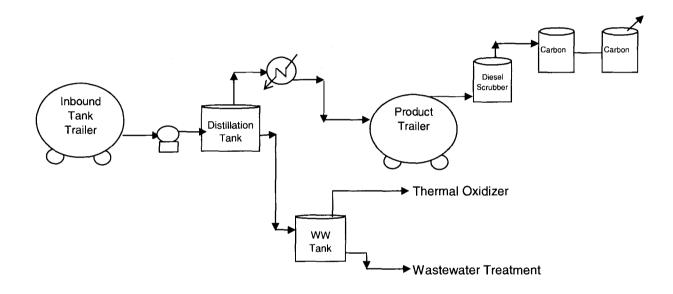


FIGURE 3 PROCESS FLOW DIAGRAM

CES ENVIRONMENTAL SERVICES, INC METHANOL OR MEK RECOVERY PROCESS



Buddy Garcia, Chairman Larry R. Soward, Commissioner Bryan W. Shaw, Ph.D., Commissioner Mark R. Vickery, P.G., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 9, 2008

MR MATT BOWMAN
PRESIDENT
CES ENVIRONMENTAL SERVICES INC
4904 GRIGGS RD
HOUSTON TX 77021-3208

Permit by Rule Registration Number:

86772

Location/City/County:

4904 Griggs Road, Houston, Harris County

Project Description/Unit:

Methylene Chloride Recycling Process

Regulated Entity Number: Customer Reference Number: RN100693282

New or Existing Site:

CN600618946 Existing

Affected Permit (if applicable):

PBR 83191

Renewal Date (if applicable):

None

CES Environmental Services, Inc. has certified the emissions associated with the change to the Methylene Chloride Recycling Process under Title 30 Texas Administrative Code §§ 106.261 and 106.262. For rule information see www.tceq.state.tx.us/permitting/air/nav/numerical index.html

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized by this registration. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following website which includes the accreditation and exemption information:

http://www.tceq.state.tx.us/compliance/compliance support/qa/env lab accreditation.html

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. John Gott, P.E., at (512) 239-1238.

Sincerely,

Certified Emissions:

VOCs	0.58	tpy
HAPs (included in VOC)	0.58	tpy

Anne M. Inman, P.E., Manager Rule Registrations Section Air Permits Division

cc: Mr. Philip Evans, Director Technical Services, The WCM Group Inc, Humble
Bureau Chief of Air Quality Control, Health and Human Services Department, City of Houston, Houston
Director, Env Public Health Division, Harris County Public Health and Environmental Services, Pasadena
Air Section Manager, Region 12 - Houston

Project Number: 142462



November 17, 2008

Mr. Don Dale Nelon
Air Permits Initial Review Team (APIRT), MC161
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Building F, Room 1206
12100 Park 35 Circle
Austin, TX 78753

LONE STAR AIRBILL NUMBER 41915489

Reference:

CES Environmental Services, Inc.

Houston, Harris County, Texas

Registration of Permit-By-Rule §106.261, §106.262

PBR Registration 83191

CN600618946; RN100693282

Dear Mr. Nelon:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation authorizing the revised operation of a recycling process to produce Methylene Chloride. The process qualifies for authorization under Permit-By-Rule (PBR) §106.261 and §106.262. The prior PBR Registration No. 83191 is replaced with this submittal.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/nb 27264:5330019.let.doc

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen -City of Houston

Vendor: TCEQ

No SLATEMENT

Inv Date 11/15/2008 Inv Amt 450.00 Discount Take 0.00

N

Pay Amt 450.00

Check Date 11/17/2008

Check Amount

\$

450.00

29534

The WCM Group, Inc. OPERATING ACCOUNT PO. BOX 3247, HUMBLE, TX 77347-3247 (281) 446-7070

COMERICA BANK-TEXAS HOUSTON, TEXAS 32-75-1110

11/17/2008 DATE

***\$450.00 7MOUNT

FOUR HUNDRED FIFTY AND NO/100

order

TCEO

P.O. BOX 13087

AUSTIN, TX 78711-3087

10295341

THE WCM GROUP, INC.

29534

Vendor: TCEQ

Inv No STATEMENT

Inv Date 11/15/2008 Inv Amt 450.00

Discount 0.00 Take N

Pay Amt 450.00

Check Date 11/17/2008

Check Amount

450.00

PERMIT-BY-RULE AUTHORIZATION FOR HANDLING OF METHYLENE CHLORIDE REVISIONS TO REGISTRATION 83191

Prepared for CES ENVIRONMENTAL SERVICES INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

Revised October 2008

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2.0 EMISSIONS SUMMARY	2

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TCEQ §106.4 CHECKLIST

TCEQ §106.261 CHECKLIST

TCEQ §106.262 CHECKLIST

FIGURES

- 1 AREA MAP
- 2 FACILITY PLOT PLAN
- 3 PROCESS FLOW DIAGRAM

INTRODUCTION

CES Environmental Services Inc. (CES) operates a tank container cleaning facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and subsequent Permit-By-Rule (PBR) Registration No. 75375.

CES is submitting the enclosed documentation to demonstrate PBR authorization for the operation of a Methylene Chloride (MeCl2) recovery process at the site. The recovery process was previously authorized for a two-step process and is being modified for a one step process. In the revised process, the Methylene Chloride mixture is sent directly to the distillation system where the organics are removed and accumulated in the product tank trailer. The wastewater is drained from the distillation tank after each batch. Details on these operations can be found in the Process Description section of this application and in the attached calculations.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The emissions increase associated with this process revision is 0.57 tons per year of VOC. As a result, the project does not trigger nonattainment netting.

A PI-7 CERT Form as well as TCEQ §106.4, §106.261, and §106.262 Checklists are provided in the Forms section of this report. Emission calculations are provided in Attachment A. A Site Location Map, Aerial Photograph, Facility Plot Plan, and Process Flow Diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

The Methylene Chloride recovery process will now occur in a single process step. This revised process replaces the two-step process previously authorized under PBR Registration No. 83191. In addition, the revised process will accommodate a methylene chloride feed stream that may contain some methyl alcohol (methanol).

The incoming tank trailer containing methylene chloride, methanol and water is located near the existing distillation tank for processing. The organic mixture is pumped from the tank trailer into a 10,000-gallon distillation tank. The distillation tank is then heated to approximately 120 F to remove the organics from the mixture. The vapor phase from the distillation process containing organics and any evaporated water passes through a condenser where it is cooled to approximately 70 F. The condensed liquid flows directly into the product tank trailer. Emissions of any uncondensed vapor from the distillation tank are routed to a diesel scrubber and then to activated carbon drums before being vented to the atmosphere. The product trailer is also vented to the scrubber system. The water remaining in the distillation tank is tested to ensure removal of the organics and then sent to water treatment.

2.0 EMISSIONS SUMMARY

Emissions from the Methylene Chloride recovery operation are calculated based on several process steps. Exhaust exiting the carbon units is monitored daily to ensure VOC emitted to the atmosphere remains below 100 ppmv. This includes both MeCl2 and any evaporated diesel from the diesel scrubber. The emission calculations for all emissions venting through controls are therefore conservatively calculated based on the volume displaced and a 100 ppmv concentration of VOC in the carbon bed exhaust. The carbon beds are replaced with fresh carbon when their exhaust concentrations reach 100 ppmv VOC.

Emissions from disconnecting of hoses are calculated assuming the vapor volume inside the hose is saturated with the last material to pass through the hose. The exception to this method is the hose from the interface vessel pump to the product truck trailer, which is blown clear with air before being disconnected.

Fugitive emissions from potential leaks at valves, pumps, and connections associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". A thirty percent reduction credit is taken for operations personnel monitoring the loading/unloading operations for leaks that can be detected with visible, audible, or olfactory means.

The emission calculations conservatively assume a 100 ppmv concentration for each of diesel, Methanol and Methylene Chloride for PBR compliance evaluation purposes. The emissions increase associated with this process revision is 0.41 tons per year of VOC. As a result, the project does not trigger nonattainment netting or PSD review.

ATTACHMENT A EMISSION CALCULATIONS

Methylene chloride distillation and loading

				Limit		Act	ual	PBR Co	mpliance
Chemical	CAS	TLV	PBR	lb/hr	tpy	lb/hr	tpy	lb/hr	TPY
MeCl2	75-09-2	26	106.262	0.130	0.569	0.099	0.312	YES	YES
Methanol	67-56-1	262	106.261	1	10	0.031	0.099	YES	YES
Diesel	68334-30-5	N/A	106.261	6.0	10.0	0.036	0.002	YES	YES
Water	7732-18-5	N/A	N/A	N/A_	N/A	N/A	N/A	N/A	N/A

0.413

Diesel is evaluated as a refinery petroleum faction containing < 10% benzene [106.261(a)(2)]

for 106.262 E = L/K

For Distillation and Loading

Distance to nearest offsite receptor: D = 200 ft

K= 200

CES Environmental Services Emissions from unloading into distillation tank.

The methylene chloride mixture is pumped into the distillation tank. Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

m	noles/hr	moles/yr
n =	1.36	152.63
p(VOC) =	1.36F-04	1.53F-02

Emissions

Chemical	lb/hr	tpy
MeCl2	0.01152	0.00065
Methanol	0.00435	0.00024
Diesel	0.01764	0.00099

11/17/2008 5330019.Calcs.xls

CES Environmental Services Emissions from Distillation Tank

The distillation tank is heated to 120F to remove MeCl2 overhead. The overhead vapors are then cooled to 70F. Flow rate is conservatively based on maximum vapor displacement.

The recovered MECI2 is accumulated.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

mo	ies/nr moi	ies voc/nr
n =	1.38	155.51
n (VOC) =	1.38E-04	1.56E-02

Emissions

Chemical	lb/hr	tpy
MeCl2	0.01174	0.00066
Methanol	0.00443	0.00025
Diesel	0.01797	0.00101

11/17/2008 5330019.Calcs.xis

CES Environmental Services Emissions from transfer recovered MeCl2 to tank truck

MeCl2 recovered flows into the product tank trailer. Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

	moles/hr	moles/yr
n =	0.03	3.05
n (VOC) =	2.71E-06	3.05E-04

Emissions

Chemical	Chemical lb/hr	
MeCl2	0.00023	0.00001
Methanol	0.00009	0.00000
Diesel	0.00035	0.00002

CES Environmental Services Hose Clearing/Disconnecting Emissions

Hose Length:

30 feet

Hose Diameter:

2 inch =

0.17 ft

Hose Volume:

0.0218 ft3

Events Per Year:

113

lb = MW*n = MW(PV/RT)

It is assumed that the remaining vapor is saturated.

The displaced vapors are vented through the diesel scrubber and carbon.

Distillation Tank Transfer Hose:

The hose from the product trailer to the distillation tank is blown with air into the tank.

	Liquid	_	Mole			Emis
MATERIAL	ompositio (%)	MW (lb/lb-mole)	Fraction	Temp (F)	VPa (psia)	(lb/hr)
			·			
MeCi2	0.61	84.9	0.8425	80	7.588	0.00243
Methanol	0.19	32.0	0.0990	80	0.261	0.00003
Water	0.20	18.0	0.0585	80	0.031	0.00000
	1.00		1.0000			

Loading Hose:

The hose from the pump to the product trailer is blown with air into the trailer.

Liquid		Mole			Emis
composition (%)		Fraction	Temp (F)	VPa (psia)	(lb/hr)
0.76	84.9	0.8936	80	8.048	0.00257
0.00	18.0	0.0000	80	0.281 0.000	0.00003
	0.76 0.24 0.00	0.76 84.9 0.24 32.0	Compositio (%) MW (lb/lb-mole) Fraction 0.76 84.9 0.8936 0.24 32.0 0.1064 0.00 18.0 0.0000	Compositio MW (lb/lb-mole) Fraction (F) Temp (F) 0.76 84.9 0.8936 80 0.24 32.0 0.1064 80 0.00 18.0 0.0000 80	Compositio (%) MW (lb/lb-mole) Fraction (F) Temp (psia) VPa (psia) 0.76 84.9 0.8936 80 8.048 0.24 32.0 0.1064 80 0.281 0.00 18.0 0.0000 80 0.000

CES Environmental Services Fugitive Emissions

Distiliation Tank

			Emission	Controlled	Emissions
Component Type	Service	Quantity	Factor	lb/hr	tpy
Valves	Light Liquid	8	0.0035	0.0196	0.0858
Valves	Gas/Vapor	3	0.0089	0.0187	0.0819
Flanges	Light Liquid	22	0.0005	0.0077	0.0337
Flanges	Gas/Vapor	10	0.0029	0.0203	0.0889
Pumps	Light Liquid	1	0.0386	0.0270	0.1183
				0.0933	0.4087

note: Control Efficiency claimed of 30% for OVA inspections.

Speciation		Controlled	Emissions
Material	Wt %	lb/hr	tpy
MeCl2	76	0.0709	0.3106
Methanol	24	0.0224	0.0981
Water	0	0.0000	0.0000

FORMS



I. REGISTRANT INFORMATIO	N		·			
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regu	lated Entity Number	r: RN-100	0693282	
Note: If "NO," CN or RN number was ent Step II of the submittal process.	ered above; please fill	out the require	d Core Data Form,	which will b	e available in	
B. Company or Other Legal Customer Na	me: CES Environment	al Services, Inc	•			
Company Official Contact Name: Matt Bo	wman	Title: Presid	ent			
Mailing Address: 4904 Griggs Road						
City: Houston	City: Houston State: Texas Zip Code:77021					
Phone No.: 713-676-1460	Fax No.: 713-676-167	6	E-mail Address: m	bowman@c	esenviormental.com	
C. Technical Contact Name: Philip Evans		Title: Director Tec	hnical Servi	ces		
Company: The WCM Group, Inc.						
Mailing Address: PO Box 3247						
City: Humble		State: Texas		77347		
Phone No.: 281-446-7070 Fax No.: 281-446-334		8	E-mail Address: pevans@wcmgroup.com			
D. Facility Location Information - Street	Address: 4904 Griggs I	Road				
If "NO," street address, provide written dr	iving directions to the	site: (attach de	scription if addition	al space is r	needed)	
City: Houston	С	ounty: Harris		Zip Code:	77021	
II. FACILITY AND SITE INFORM	MATION					
A. Name and Type of Facility: CES				⊠ Pen	nanent Portable	
B. PBR claimed under 30 TAC § 106 (Li	st all):					
§ 106. 261		§ 106.				
§ 106.262	§ 106.					
§ 106.		§ 106.				
Are you claiming a historical standard ex	emption or PBR?			_	☐ YES ⊠ NO	
If "YES," enter effective date and Rule Nu	mber:					

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6) 5330019.P17.doc



II. FACILITY AND SITE INFORMATION (continued)					
C. Is there a previous Standard Ex (Attach details regarding chang		⊠ YES □ NO			
If "YES," enter Registration Number and Rule Number: 75375, 83191 261, 262					1
D. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?					☑ YES ☐ NO
If "YES," enter Registration Number	er and Rule Number:	X-15980, 83798, 84713		261, 262, 472	, 532
E. Are there any other air precon	struction permits at this site	?			☐ YES ☒ NO
If "YES," enter Permit Numbers:					
Are there any other air preconstruct	ion permits at this site that wo	uld be directly associated w	ith this	project?	☐ YES 🖾 NO
If "YES," enter Permit Numbers:					
F. Is this facility located at a site very pursuant to 30 TAC Chapter 12	-	ederal operating permit	☐ Y	es 🖾 no 🗌	To be determined
If the site currently has an existing	federal operating permit, ente	r the permit number:			
Identify the requirements of 30 TAC	Chapter 122 that will be trig	gered if this certification is	accepte	d.	
☐ Initial Application for an FOP	☐ Significant Revis	ion for an SOP	Minor	Revision for a	n SOP
Operational Flexibility/off Perm	it Notification for an SOP	Revision for GOP	_ To b	e Determined	⊠ None
Identify the type(s) issued and/or FO	OP application(s) submitted/pe	ending for the site. (Check of	ıll that	apply)	
☐ SOP ☐ GOP	GOP application/rev	vision application: Submitte	d or un	der APD revie	w.
SOP application/revision application	ation: submitted or under API	O review.	N/A		
G. TCEQ Account Identification N	Number (if known):	HG 1270 B		····	
III. FEE INFORMATION		e v s			
To determine if a fee is required answer the following question. If "YES," to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.					
A. Is this registration an update to solely to establish a federally en		y and accompanied by a Cer	tificatio	on Form	☐ YES 🖾 NO
B. What is the fee amount?					



,				
ш.	FEE INFORMATION (continued)		·	
If "	YES," to any of the following three questions, a \$100 fee is require. Otherwise, a \$450	0 fee is required.		
Do	es this business have less than 100 employees?		☐ YES ☒ NO	
Do	es this business have less than 6 million dollars in annual gross receipts?		☐ YES ☒ NO	
Is t	his registration submitted by a governmental entity with a population of less than 10,000	0?	☐ YES ☒ NO	
C.	Check/Money Order or Transaction Number (Payable to TCEQ): ☐ YES ☒ NO	Was fee Paid online?	☐ YES ☒ NO	
Coı	Fee amount:	\$450		
IV. SELECTED FACILITY REVIEWS <u>ONLY</u> —TECHNICAL INFORMATION				
	te: If claiming one of the following PBRs, complete this section, then skip to Section below: imal Feeding Operations § 106.161, Livestock Auction Facilities § 106.162, Saw Mill		•	
	ving § 106.283, Auto Body Refinishing Facilities §106.436, and Air Curtain Incinera			
A.	Is the applicable PBR checklist attached which shows the facility meets all general and the PBR(s) being claimed? (If submitting electronically, click "YES.")	specific requirements of	☐ YES ☐ NO	
В.	Distance from this facility's emission release point to the nearest property line:		feet	
Dis		feet		
v.	TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REC Registrants must be in compliance with all applicable state and federal regulati			
A.	Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES ⊠ NO	
В.	Is a process flow diagram or a process description attached?		⊠ YES □ NO	
C.	Are emissions data and calculations for this claim attached?		⊠ YES □ NO	
D.	Is information attached showing how the general requirements (30 TAC § 106.4) of the Registration? (PBR checklists may be used, but are optional)	he PBR is met for this	⊠ YES □ NO	
30	te: Please be reminded that if the facilities listed in this registration are subject to the M TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities mus ual NO _{x,} emissions from these facilities.	-		
E.	Is information attached showing how the specific PBR requirements are met for this re (PBR checklist may be used, but are optional)	egistration?	⊠ YES □ NO	
F.	Distance from this facility's emission release point to the nearest property line:		100 feet	
Dis	stance from this facility's emission release point to the nearest off-property structure:		200 feet	
	te: In limited cases, a map or drawing of the site and surrounding land use may be requivest of the TCEQ Regional Office or local air pollution control program during an inv		cal review or at the	



VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S.

Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their informatiop corrected. To review such information, call 512/239-3282.

SIGNATURE: DATE: DATE: ORIGINAL SIGNATURE REQUIRED)

DATE: 11/17/08

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

Who	Where	What
Air Permits Initia I Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C. Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A. Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form Pl-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form Pl-7. Core Data Form, and all attachments.

MARCE EXCITATION DE L'ANNO

TITLE 30 TAC § 106.4 "OUICK-CHECK" APPLICABILITY CHECKLIST

Company Name: CES Environmental Services, Inc.		
Checklist completed by: The WCM Group, Inc.	Date:	November 2008
Facility Type: Tank Truck Cleaning, Product recovery and wastewater treatment		
Permit(s) by rule claimed: 30 TAC Chapter §106: 261		
Project Description (including equipment, materials, and brief process description):		

A recovery distillation processing system will produce Methylene Chloride from organic water mixtures.	

СО	0.00	NO _X	0.00	VOC	0.41
PM	0.00	SO ₂	0.00	Other	0.00

The following questions require a "Yes" or "No" answer to be indicated for this permit by rule claim:

A. Title 30 TAC § 106.4(a)(5): Current Permit by Rule Requirements

Yes X No Have you checked to determine if this exempt project is being claimed under the current version of 30 TAC 106?

If "Yes", continue to next question If "No", please contact the Air Permits Division for a copy of the current permit by rule to be claimed.

B. Title 30 TAC § 106.4(a)(7): Permit by rule prohibition check

Yes No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule?

If "No ", continue to next question

If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit.

A new permit or permit amendment may be required.

List permit number(s):

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of§l 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

- A. dividing a complete project into separate segments to circumvent §106.4(a)(l) limits;
- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes No X Does your project meet any of the criteria listed above?

 If "No", continue to next rule question If "Yes", a permit y rule may not be claimed.

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No The maximum emissions from all facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard $30\ TAC\ \S\ 106.4\ Applicability\ Checklist.$

TCEQ 10150] [Revised 10/04] 106-4qckl - Permits by Rule "Quick Check" Applicability 106.4q Checklist This form is for use by sources subject to air quality permit requirements and may be revised periodically. [APDG S001v3]

5330019.106-4.doc



Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

Electroraic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tce q.state.tx.us/nav/permits/air permits.html.

CH	CHECK THE MOST APPROPRIATE ANSWER					
	Is a description or che 3O TAC § 106.4 attac	Rs in X YES D NO DN/A				
ь1	Is this claim for const standard permit is in project	cha				
b2	Is this claim for any authorized under a sta	er or YES X NO DN/A				
al	Are facilities or chan structure not occupie property upon which	other X YES D NO DN/A f the				
a2	Are total new or incre (lb/hr) and ten tons pe	hour X YES □ NO □ N/A				
00000000000 X	ace tylene argon butane crude oil carbon monoxide cyclohexane cyclohexene cyclopentan ethyl acetate ethanol ethyl ether ethylene refinery petroleum frace	□ helium □ isohexane □ isopropyl alcohol □ methyl acetylene □ methyl chloroform □ methyl cyclohexane □ neon □ nonan □ oxides of nitrogen □ propane □ propyl alcohol □ propylene ctions (except for pyrolysis naphthas and	□ propyl ether □ sulfur dioxide □ alumina □ calcium carbonate □ calcium silicate □ cellulose fiber □ cement dust □ emery dust □ glycerin mist □ gypsum □ iron oxide dust □ kaolin □ pyrolysis gasoline) containing less	limestone magnesite magnesite pentaerythritol plaster of paris silicon silicon carbide starch sucrose zinc stearate zinc oxide		
<u> </u>						
a3	a3 Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m³) as listed and referenced in Table 262 of 30 TAC § 106.262 of this title (relating to Facilities (Emission and Distance Limitations)? List chemical: Methanol L value: 262			ed in		
	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical not listed or referenced in Table 262? List chemical:			nical		
	200 mg/m ³ ? If "Yes" to	ased emissions, including fugitives, of a he authorization of the chemical is not a 262 to authorize the emissions, if applie	allowed under this section. We sug	than		

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TCEQ - 10121 [Revised 10/04] PBR Checklist for Facilities (Emission Limitations) This form for use by facilities subject to air quality permit requirements and may be revised periodically. [APDG 5018v4]

Page 1 of 2

_a4	Are there any changes to or additions of any existing air pollution abatement equipment?	□ YES X NO □N/A
	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	□ YES X NO □N/A
1	Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.	□ YES X NO □N/A
]	Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one):	X YES □ NO □N/A
	 Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. 	



Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.262 (30 TAC § 106.262) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tc eq.state.tx.us/nav/permits/air_permits.html.

CHECK THE MOST APPROPRIATE ANSWER						
ofPBRs in 30 TAC § 10			X YES	□ NO	□ N/A	
b1. Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project.				X NO	□ N/A	
	nge to any facility authorized under an indard perm? If "YES," this PBR cana ct.		☐ YES	X NO	□ N/A	
	under another section of this chapter (2) and (3) of this section may be used		X YES	□ NO	□ N/A	
	ecreational area or residence r operator of the facilities or ?	X YES	☐ NO	□ N/A		
a2. Are new or increased emissions, including fugitives, emitted in a quantity less than five tons per year or in a quantity less than E as determined by using the equation E=L/K? See Table 262 Figures 1 and 2. If "YES," the notification shall include a description of the project, calculations for all emissions being claimed under this PBR:						
Chemical: Methylene Chlorid	le L value: 26	D: <u>200</u>	K: 200			
a3. Is this checklist attache modification of the facil project, calculations, a description of pollution of	X YES	□ №	□ N/A			
a4. Are one or more of the following chemicals is handled for this registration? (Check all that apply) If "YES," answer the following four questions.				X NO	□ N/A	
acrolein allyl chloride ammonia (anhydrous) arsine boron trifluoride bromine carbon disulfide chlorine chlorine dioxide chloroacetaldehyde chloropicrin chloroprene	diazomethane diborane diglycidyl ether dimethylhydrazine ethyleneimine ethyl mercaptan fluorine formaldehyde (anhydrous) hydrogen bromide hydrogen cyanide hydrogen fluoride hydrogen selenide	hydrogen sulfide ketene methylamine methyl bromide methyl hydrazine methyl isocyanate methyl mercaptan nickel carbonyl nitric acid nitric oxide nitrogen dioxide oxygen difluoride	perchlophosper phosper	orne oromethyl n oryl fluoride ene hine horus trichlo	oride ne oxide	

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

	from any off-pl	ant recepto		☐ YES	□ NO	□ N/A
	authorizations tequal to 500 pc	under this sounds on th	nt of any of the following chemicals resulting from one or more section (but not including permit authorizations) less than or e plant property?	☐ YES	□ NO	□ N/A
	Are all listed of the United Stat Regulation, Par	☐ YES	□ NO	□ N/A		
	Are any change	es to or add	litions of any existing air pollution abatement equipment?	☐ YES	ON 🗖	□ N/A
a5.	Are there any o	hanges to	or additions of any existing air pollution abatement equipment?	☐ YES	☐ NO	□ N/A
a6.			emissions, except uncombined water, emitted to the atmosphere source in amounts greater that 5.0% opacity in any six-minute	☐ YES	Ом	□ N/A
	D, Feet	K				
	100	326	E=maximum allowable hourly emission, and never to exceed 6	pounds per	hour.	
	200	200				
	300	139		,		
	400	104				
	€00	65				
	700	54				
	8 00	46	K=value from the table on this page. (interpolate intermediate	values)		
	900	39				
1	,000	34				
2	2,000	14	D=distance to the nearest off-plant receptor			
3	,000 or more	8				

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TABLE 262 LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING § 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for new Construction or Modification).

Compound	Limit (L) Milligrams Per Cubic Meter
Acetone	590.
Acetaldehyde	9.
Acetone	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptain	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chloropheno1	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6
10102 (Buriand 10/M) PRD Charblist for Facilities (Emissions and Distance	

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound Dipropylamine	<u>Limit (L) Milligrams Per Cubic Meter</u> 8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene 2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16.
Heptane	350.
Hexanediamine, 1, 6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22,
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-T-Butyl Ether	45.
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Merthyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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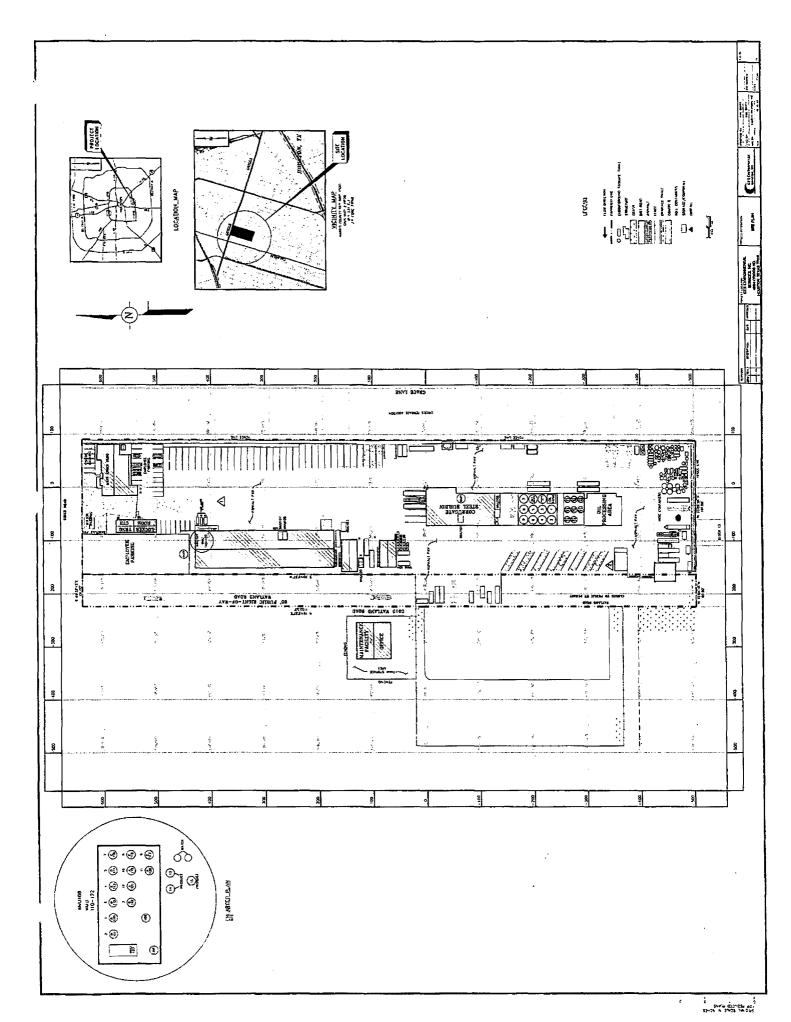
Compound	Limit (L) Milligrams Per Cubic Meter
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350.
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous-precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succiononitrile	20.
Tolidin	. 0.02
Trichloroethylene	135.
Trinethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (AGGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

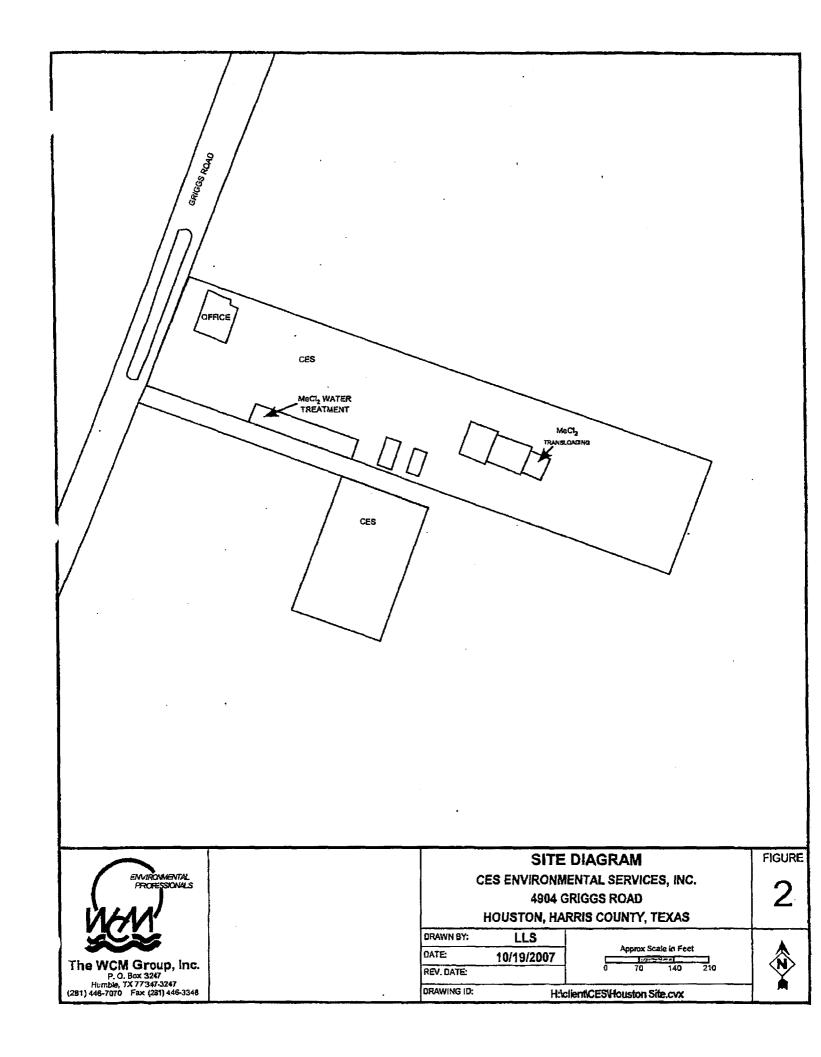
TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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SITE MAP



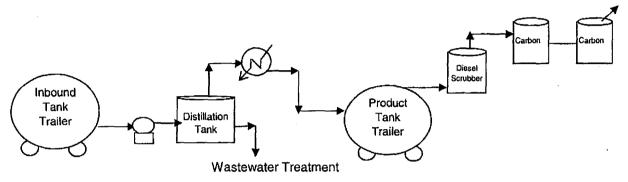
PLOT PLAN



PROCESS FLOW DIAGRAM

Methylene Chloride Process Flow Diagram

Methylene Chloride Transloading with Distillation



Philip Evans

From: Karl Guidry [kguidry@cesenvironmental.com]

Sent: Wednesday, January 30, 2008 5:46 PM

To: Desiree Westcott

Cc: Philip Evans

Subject: CES - Sulfidic Caustic Recycling Data Needs for PBR Evaluation

Hello all,

This is the info being submitted for the Sulfidic Caustic Recycling PBR.

- Process Overview Loads of the Sulfidic caustic material are received at the CES Facility located at 4904 Griggs Rd. in Houston, Texas.
- 2. Trucks are staged at the receiving area.
- 3. A sample from each load is drawn for QA/QC analysis for solids and oil content.
- 4. Based on solids concentration, the material is then filter pressed to remove solids in Filter Press Unit 378.
- 5. Based on oil concentration, the caustic is unloaded until phase separation of the oil is achieved.
- 6. The caustic load is staged in an area between the old and new oil processing areas.
- 7. The oil portion is then transferred to a 250 gallon tote for recycling.
- 8. The recycled caustic is then transferred into Poly Tank Unit 13 and Poly Tank Unit 14, which are 5,000 gallon storage tanks.
- 9. The emissions will be scrubbed through an International Scrubco, Inc supplied vapor scrubber unit, which draws vapors through the scrubber with the use of a centrifugal pump. The emissions will also pass through a "knock-out" drum then through a deodorizer unit which is in series to the scrubber.
- 10. The quality caustic material is then transferred into a vacuum trailer for delivery to the customer. The material loads average ~ 5,000 gallons.

Be advised I am working on a process flow diagram and will make it available as soon as completed. Please let me know if there is anything else you require.

Karl Guidry CES Environmental Services, Inc. HSE Manager

November 13, 2008

Mr. Don Dale Nelon Air Permits Initial Review Team (APIRT), MC161 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Building F, Room 1206 12100 Park 35 Circle Austin, TX 78753 LONE STAR AIRBILL NUMBER

Reference: CES Environmental Services, Inc.

Houston, Harris County, Texas

Registration of Permit-By-Rule §106.472, §106.532

CN600618946; RN100693282

Dear Mr. Nelon:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed package authorizing the sulfidic caustic processing. The process qualifies for authorization under Permit-By-Rule (PBR) §106.472 and §106.532 and is being submitted for documentation.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans Director, Technical Services

Enclosure

cc: M. Bowman

L. Vasse

B. Allen -City of Houston

November 13, 2008

Mr. John Racanelli Revenue Section (MC-214) TEXAS COMMISSION ON ENVIRONMENTAL QUALITY Building F. Room 1206 12100 Park 35 Circle Austin, TX 78753

LONE STAR AIRBILL NUMBER

Reference:

CES Environmental Services, Inc.

Houston, Harris County, Texas

Registration of Permit-By-Rule §106.472, §106.532

CN600618946; RN100693282

Dear Mr. Racanelli:

On behalf of CES Environmental Services, Inc., please find enclosed a check in the amount of \$100 to cover the fee for the above referenced Permit-By-Rule (PBR) registration. A copy of the PI-7 Form is also enclosed.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans Director, Technical Services

Enclosure

cc: M. Bowman

L. Vasse

B. Allen -City of Houston



				
I. REGISTRANT INFORMATIO	N			
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regu	lated Entity Number:	RN-100693282
Note: If "NO," CN or RN number was end Step II of the submittal process.	tered above; please fil	ll out the require	d Core Data Form, w	which will be available in
B. Company or Other Legal Customer Na	ame: CES Environmen	ntal Services, Inc	•	
Company Official Contact Name: Matt Bo	wman	Title: Presid	ent	
Mailing Address: 4904 Griggs Road				
City: Houston		State: Texas		Zip Code:77021
Phone No.: 713-676-1460	Fax No.: 713-676-16	676	E-mail Address: mb	owman@cesenviormental.com
C. Technical Contact Name: Philip Evan	s		Title: Director Tech	nnical Services
Company: The WCM Group, Inc.				
Mailing Address: PO Box 3247				
City: Humble		State: Texas		77347
Phone No.: 281-446-7070	348	E-mail Address: pev	ans@wcmgroup.com	
D. Facility Location Information - Street	Address: 4904 Griggs	s Road		
If "NO," street address, provide written d	riving directions to th	e site: (attach de	scription if additiona	ıl space is needed)
City: Houston		County: Harris		Zip Code: 77021
II. FACILITY AND SITE INFOR	MATION			
A. Name and Type of Facility: CES Envi	ironmental Services, I	nc.		Permanent Portable
B. PBR claimed under 30 TAC § 106 (L	ist all):			
§ 106. 472		§ 106.		
§ 106.532		§ 106.		
§ 106.		§ 106.		
Are you claiming a historical standard ex	xemption or PBR?			☐ YES ⊠ NO
If "YES," enter effective date and Rule Nu	ımber:			



II. FACILITY AND SITE IN	NFORMATION (continued)						
C. Is there a previous Standard Exe (Attach details regarding change		ty in this registration?			☐ YES 🖾 NO		
If "YES," enter Registration Numbe	r and Rule Number:				<u> </u>		
D. Are there any other facilities at	this site which are authorize	ed by an Air Standard	Exemption	n or PBR?	⊠ YES □ NO		
If "YES," enter Registration Numbe	r and Rule Number:	X-15980, 75375, 83798 83191	8, 84713,	261, 262, 472	, 532		
E. Are there any other air precon	struction permits at this site	?			☐ YES 🖾 NO		
If "YES," enter Permit Numbers:							
Are there any other air preconstructi	ion permits at this site that wo	ould be directly associate	d with this	project?	☐ YES ⊠ NO		
If "YES," enter Permit Numbers:							
	F. Is this facility located at a site which is required to obtain a federal operating permit pursuant to 30 TAC Chapter 122? ☐ YES ☒ NO ☐ To be determined						
If the site currently has an existing f	federal operating permit, ento	er the permit number:					
Identify the requirements of 30 TAC	Chapter 122 that will be trig	gered if this certification	is accepte	ed.			
☐ Initial Application for an FOP	Significant Revi	sion for an SOP	Minor	Revision for a	ın SOP		
Operational Flexibility/off Perm	it Notification for an SOP	Revision for GOP	То	be Determined	None		
Identify the type(s) issued and/or FC	OP application(s) submitted/p	ending for the site. (Che	ck all that	apply)			
□ SOP □ GOP	GOP application/re	vision application: Subm	nitted or un	nder APD revie	ew.		
SOP application/revision application	ation: submitted or under AP	D review.	□ N/A				
G. TCEQ Account Identification N	Number (if known):	HG 1270 B					
III. FEE INFORMATION	III. FEE INFORMATION						
To determine if a fee is required and IV. If "NO," to answer II. A., then to pay online.							
A. Is this registration an update to solely to establish a federally er		ty and accompanied by a	Certificati	on Form	☐ YES ⊠ NO		
B. What is the fee amount?							



III.	FEE INFORMATION (continued)				
<i>If</i> "1	YES." to any of the following three questions, a \$100 fee is require. Otherwise, a \$450) fee is required.			
Doe	s this business have less than 100 employees?		YES □ NO		
Doe	s this business have less than 6 million dollars in annual gross receipts?		☐ YES ⊠ NO		
Is th	is registration submitted by a governmental entity with a population of less than 10,000	0?	☐ YES 🛛 NO		
C.	Check/Money Order or Transaction Number (Payable to TCEQ): ☐ YES ☒ NO	Was fee Paid online?	☐ YES 🛛 NO		
Con	npany name of check: The WCM Group Inc.	Fee amount:	\$ 100		
IV.	SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATIO	N			
Note	e: If claiming one of the following PBRs, complete this section, then skip to Section	VI., "Submitting your r	egistration"		
	below:				
	mal Feeding Operations § 106.161, Livestock Auction Facilities § 106.162, Saw Mill ing § 106.283, Auto Body Refinishing Facilities §106.436, and Air Curtain Incinera		dling, Storage and		
A.	A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed? (If submitting electronically, click "YES.")				
В.	Distance from this facility's emission release point to the nearest property line:		feet		
Dist	tance from this facility's emission release point to the nearest off-property structure:		feet		
v.	V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REGULATORY REQUIREMENTS. Registrants must be in compliance with all applicable state and federal regulations and standards to claim a PBR.				
A.	Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES 🏻 NO		
B.	Is a process flow diagram or a process description attached?		⊠ YES □ NO		
C.	Are emissions data and calculations for this claim attached?		⊠ YES □ NO		
D.	Is information attached showing how the general requirements (30 TAC § 106.4) of the Registration? (PBR checklists may be used, but are optional)	he PBR is met for this	⊠ YES □ NO		
30 °	e: Please be reminded that if the facilities listed in this registration are subject to the MTAC Chapter 101. Subchapter H, Division 3, the owner/operator of these facilities mutual NO_x emissions from these facilities.				
E.	Is information attached showing how the specific PBR requirements are met for this representation (PBR checklist may be used, but are optional)	egistration?	⊠ YES □ NO		
F.	Distance from this facility's emission release point to the nearest property line:		100 feet		
Dis	tance from this facility's emission release point to the nearest off-property structure:		200 feet		
	e: In limited cases, a map or drawing of the site and surrounding land use may be request of the TCEQ Regional Office or local air pollution control program during an inv		cal review or at the		

TCEQ 20182 (Revised 05/08) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)



VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNATURE:		DATE:
	(ORIGINAL SIGNATURE REQUIRED)	

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

Who	Where	What
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A. Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.

July 7, 2008

Mr. Matt Bowman CES Environmental Services, Inc. 4904 Griggs Road Houston, Texas 77021 LONE STAR AIRBILL NUMBER P2779775

Reference:

CES Environmental Services, Inc.

Sulfidic Caustic Process Permit-By-Rule

Dear Mr. Bowman:

Enclosed, please find the documentation for a Permit-By-Rule (PBR) authorizing sulfidic caustic processing. The PBRs being used do not require registration with the Texas Commission on Environmental Quality. However, a copy of the authorization must be maintained.

Should you have any questions concerning this information, please feel free to contact me.

Sincerely,

Philip B. Evans Director, Technical Services

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Enclosures

PERMIT-BY-RULE AUTHORIZATION FOR SULFIDIC CAUSTIC PROCESSING

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Harris County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

July 2008

PERMIT-BY-RULE AUTHORIZATION FOR SULFIDIC CAUSTIC PROCESSING

Prepared for CES ENVIRONMENTAL SERVICES, INC. Houston, Harris County, Texas

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- PROCESS FLOW DIAGRAM

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INTRODUCTION

CES Environmental Services, Inc. (CES) operates a tank container cleaning facility at 4904 Griggs Road in Houston, Harris County, Texas (CN600618946, RN100693282) under Texas Commission on Environmental Quality (TCEQ) Permit Exemption No. 15980 and subsequent Permit-By-Rule (PBR) Registration No. 75375.

This package documents a PBR authorization for sulfidic caustic processing operations at the site. Because the process is authorized under 106.472 and 106.532, no registration with the state is required. A mixture that consists of sodium hydroxide, sodium sulfide, sodium hydrosulfide, and sodium carbonate in water, with some oil and solids, enters the facility in a truck tank. The caustic solution may be unloaded until phase separation of the oil is achieved. The remaining oil is loaded into totes. The caustic may then be filter pressed in an existing filter press if it contains a sufficient amount of solids. The recycled caustic is then stored in two existing storage tanks.

Since the materials in the caustic solution are not volatile, there are no emissions from handling the caustic solution. Emissions from loading the phase separated oil into totes are approximately 0.01 pounds per hour (lb/hr) and less than 0.01 tons per year (tpy). To further ensure there are no impacts on surrounding properties, the emissions are routed to a scrubber and deodorizer before being vented to the atmosphere. Details on these operations can be found in the Process Description section of this registration and in the attached calculations.

CES is located in the Houston/Galveston ozone nonattainment area and is classified as a minor source for Volatile Organic Compound (VOC) emissions. The increase in emissions due to this project is less than 0.01 tpy. As a result, the project does not trigger nonattainment netting.

TCEQ §106.4, and §106.472 Checklists are provided in the Forms section of this report. A Topographic Map, Facility Plot Plan, Aerial Photograph, and Process Flow Diagram are included in the Figures section.

1.0 PROCESS DESCRIPTION

A mixture of sodium hydroxide, sodium sulfide, sodium hydrosulfide, and sodium carbonate in water enters the facility through tank truck or other transport vessel. The solution may also contain small amounts of solids or oil. Based on oil concentration, the caustic is unloaded into existing storage tanks until phase separation of the oil is achieved. Any separated oil is then transferred to a 250-gallon tote for recycling. Depending on the solids concentration, the caustic mixture may then be pressed in an existing filter press to remove solids. The recovered caustic mixture is stored in existing Tank Nos. 13 and 14 until it is loaded into tank trucks or other transport vessels for shipment off-site.

2.0 EMISSIONS SUMMARY

Since the materials in the caustic solution are not volatile, there are no emissions from handling the caustic solution. Emissions from loading of the oil phase into totes are calculated in Attachment A. Emissions are calculated using methods outlined in AP-42 conservatively assuming an entire 250-gallon tote is filled in one hour and two totes are filled each month.

3.0 PBR 106.472, 106.532 COMPLIANCE

The handling of sulfidic caustic is being authorized through 30 TAC 106.472(4), which permits the storage and loading of aqueous caustic solutions, except aqueous ammonia. The handling of residual oil decanted from the caustic is authorized under 106.472(1), which allows for the storage and loading of lube oils, fuel oils, and greases. Compliance with these rules is demonstrated through the Exemption 106.472 Checklist located in the Forms section of this report.

Filtration of the aqueous solution is being authorized through 30 TAC 106.532(1)(C). Compliance with this rule is demonstrated through the Exemption 106.532 Checklist located in the Forms section of this report.

ATTACHMENT A EMISSION CALCULATIONS

CES Houston Filling of Oll Tote

Basis Information:

1. Material: 2. Molecular weight; 150.00 lb/lb-mole

0.010 psia 3. Average vapor pressure: 6,000 gallons/yr 4. Annual throughput:

5. Emissions are estimated as follows:

 $LL = \left[\left\{ 12.46 \times \left(\left(S \times Pva \times Mv \right) / Ta \right) / 1000 \right) \times Th \times \left(1 - \left(e/100 \right) \right) \right] / 2000 \\ II = \left[\left(12.46 \times \left(\left(S \times Pvx \times Mv \right) / Tx \right) / 1000 \right) \times FR \times \left(1 - \left(e/100 \right) \right) \right]$

where:
LL = Controlled loading losses (ton/yr)
II = Controlled loading losses (lb/hr)
S = Saturation Factor (0.6, submerged or bottom fill)

S = Saturation Factor (0.6, submerged or bottom fill)

Mv = Vapor molecular Weight (lb/lb mole)

Pvx = Vapor Pressure @ max. bulk liquid temp. (psia)

Pva = Vapor Pressure @ avg. bulk liquid temp. (psia)

Tx = Maximum bulk liquid loading temperature (deg R)

Ta = Annual average bulk liquid loading temperature (deg R)

FR = Fill Rate (gal/hr)

Th = Annual Throughput (gal/yr)

c = capture efficiency (%)

e = control efficiency (%)

ANNUAL EMISSIONS INCREASE (LL):							
Material: Oil							
Input:		Controlled Emissions (EPN FLR):					
S =	0.6	LL = 0.0000 ton/yr					
Mv =	150.00 lb/lb mole	,					
Pva =	0.010 psia	Uncontrolled Emissions (EPN L-1):					
Ta =	530.08 R	LL = 0.0001 ton/yr					
Th =	6,000 gal/yr	·					
C =	0.0 %						
e =	0.0 %						

MAXIMUM HOURLY EMISSIONS (II):							
Material: Oil							
Input:			Controlled	d Emiss	sions (EPN FLR):	
S =	0.6		II	=	0.00	lb/hr	
Mv =	150.00	lb/lb mole					
Pvx =	0.017	psia	Uncontro	lled Em	issions	s (EPN L-1):	
Tx =	551.67	R	il	=	0.01	lb/hr	
FR =	250	gal/hr					
c =	0.0	%					
e =	0.0	%					

FORMS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

Company	Name: <u>CES Environme</u>	iliai Scivices, II	IC.						
Checklist	06/25/2008								
Facility T									
Permit(s) by rule claimed: 30 TAC Chapter §106: 472, 532									
Project Descri	ption (including equipme	nt, materials, ar	nd brief process desc	ription):					
-	Sulfidic Caustic Pro	cessing	•						
CO	0.00	NO _X	0.00	VOC	C <0.01				
PM	0.00	SO ₂	0.00	Othe	er 0.00				
The following	questions require a "Yes	s" or "No" answ	ver to be indicated fo	r this permit by rule	claim:				
A. Title 30 T	AC § 106.4(a)(5): Curr	ent Permit by	Rule Requirements	l.					
Yes X No□	Have you checked to If "Yes", continue to no permit by rule to be cle	ext question If '		•					
B. Title 30 T	AC § 106.4(a)(7): Pern	it by rule pro	hibition check						
Yes□ No X	Are there any <u>air perm</u> permits by rule? If "No", continue to no		ime account containii	ng permit conditions	which prohibit or res	strict the use of			

C. Title 30 TAC § 106.4(b): Circumvention check

List permit number(s): __

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of §1 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit.

A. dividing a complete project into separate segments to circumvent §106.4(a)(l) limits;

A new permit or permit amendment may be required.

- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.

${\rm Yes}\square \; {\rm No} \; X$	Does your project meet any of the criteria listed above
	If "No ", continue to next rule question If "Yes ", a permi
	by rule may not be claimed

[TCEQ 10150] [Revised 10/04] 106-4qckl - Permits by Rule "Quick Check" Applicability 106.4q Checklist This form is for use by sources subject to air quality permit requirements and may be revised periodically. [APDG S001v3]

5330013.qckchk.doc Page ____ of

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No The maximum emissions from <u>all</u> facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist

[TCEQ 10150] [Revised 10/04] 106-4qckl - Permits by Rule "Quick Check" Applicability 106.4q Checklist This form is for use by sources subject to air quality permit requirements and may be revised periodically. [APDG5001v3]

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Texas Commission on Environmental Quality

Exemption §106.472 Checklist (Previously Standard Exemption 51)

Organic Liquid Loading and Unloading

The following checklist is designed to help you confirm that you meet §106.472, previously Standard Exemption 51 (STDX 51), requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Exemption §106.472, previously Standard Exemption 51. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

<u>YES</u>	<u>NO</u>	<u>NA</u>	DESCRIPTION
<u>X</u>	_		Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106, Subchapter A checklist is available)?
<u>X</u>	_		Are all the facilities claimed for exemption specifically named in the general section of §106.472, previously STDX 51? (This exemption has been interpreted to allow mixing or blending but <u>not</u> chemical reaction in tankage.)
<u>X</u>	_	_	Is the equipment designed to prevent visible emissions?
<u>X</u>		_	Are all the chemicals to be loaded, unloaded, or stored described in §106.472, previously STDX 51(a) - (i)? Attach a list of the chemicals and identify the appropriate item of §106.472, previously STDX 51 that applies. Include additional supporting data. For example, a §106.472, previously STDX 51(i), claim should identify initial boiling points of all compounds to be covered.
_		X	Will aqueous ammonia solutions, hydrochloric acid, or acetic acid be vented through a water scrubber?
_	_	<u>X</u>	Are facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees F or greater listed in 40 CFR 261, Appendix VIII, located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? List these compounds and show their handling location on an attached scaled plot plan.



Texas Commission on Environmental Quality

Exemption §106.532 Checklist (Previously Standard Exemption 61)

Water and Waste Water Treatment Units

The following checklist has been designed to help you confirm that you meet Exemption §106.532, previously standard exemption 61 (STDX 61), requirements. Any "no" answers indicate that the claim of exemption may not meet all requirements for the use of Exemption §106.532, previously standard exemption 61. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met or obtain a construction permit.

YES X	<u>NO</u> —	<u>NA</u>	<u>DESCRIPTION</u> Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106.4, previously §116.211 checklist is available)?
x	_	_	Are all the facilities claimed for exemption specifically named or described in §106.532, previously STDX 61's subparagraphs (a)(1)-(15)? Attach a list or detailed description of equipment to be constructed or modified.
_	-	x	Are all stripping and/or aeration units designed and operated to collect stripped gases and send them to a control device that meets the requirements of §106.533, previously STDX 68(e)? Attach a list or description of the strippers and/or aerators identifying the control device to be used for each one.
_		<u>x</u>	If combustion is used for control of stripped gases, are all final emissions of HCL resulting from combustion of chlorine or chlorine-containing compounds less than or equal to 0.1 lb/hr?
_		X	If the sum of the partial pressures of all species of VOC in any sample are greater than 1.5 psia, are all liquid phase separators enclosed and vented to a control device meeting the requirements of §106.533, previously STDX 68(e)? Attach a list or description for each one of the separators identifying the sum of VOC partial pressures or the control device to be used.
x	_		Have you checked to ensure that none of the facilities claimed for exemption fall in any of the categories of prohibited units listed in STDX §106.532, previously 61(b)?

FIGURE 1 TOPOGRAPHIC MAP

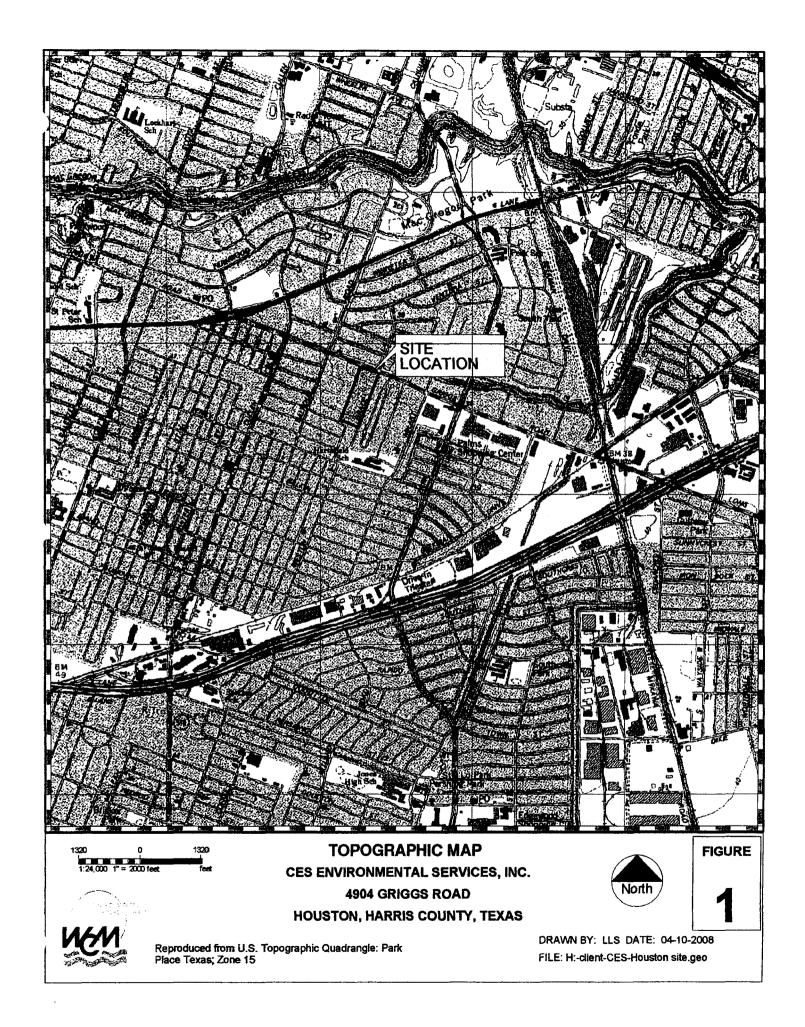


FIGURE 2 FACILITY PLOT PLAN

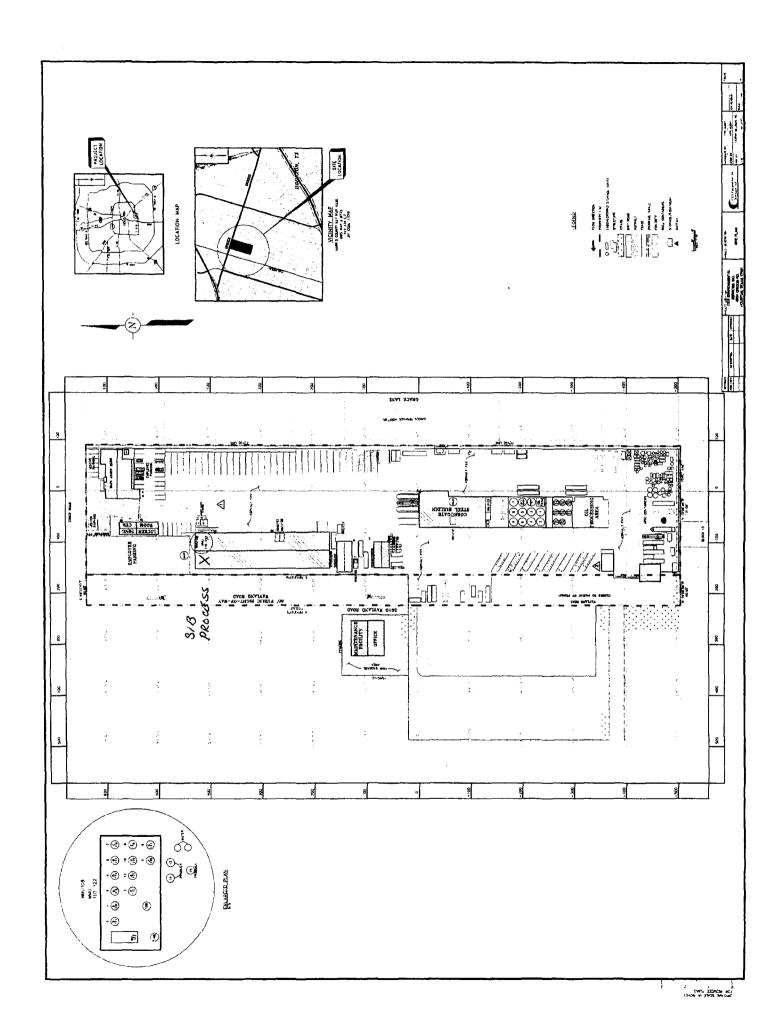


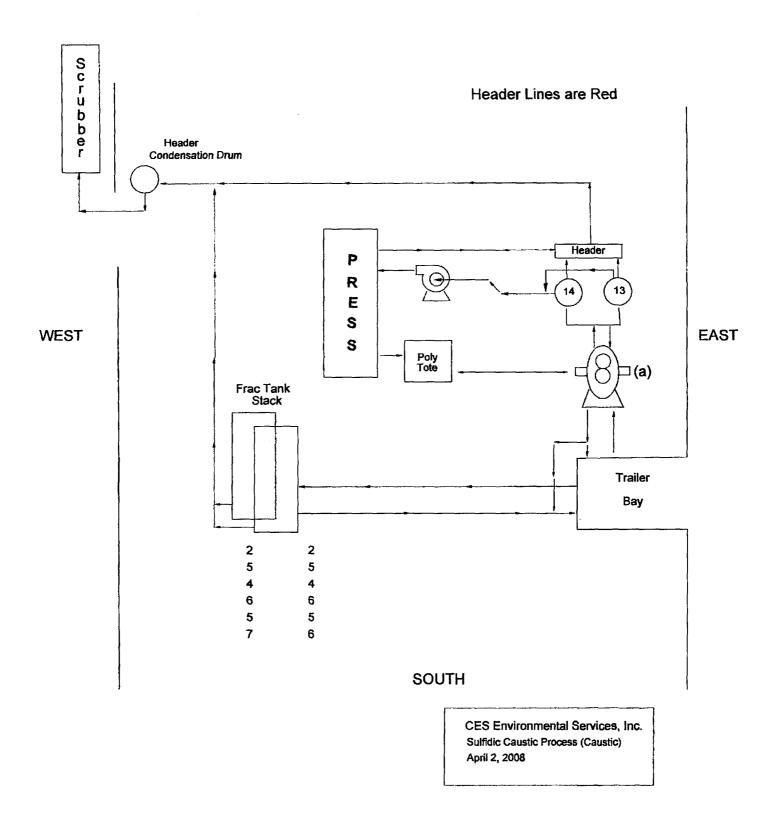
FIGURE 3 AERIAL PHOTOGRAPH



FIGURE 4 PROCESS FLOW DIAGRAM



Sulfidic Caustic Process April 2, 2008



Material Safety Data Sheet

SULFIDIC CAUSTIC SOLUTION

ECTION 1	_	Chemical Product and Company Identification
----------	---	---

SECTION 2 - Composition, Information on Ingredients

SECTION 3 – Hazards Identification SECTION 4 – First Aid Measures

SECTION 5 - Fire Fighting Measures

SECTION 6 - Accidental Release Measures

SECTION 7 – Handling and Storage

SECTION 8 - Exposure Controls and Personal Protection

SECTION 9 - Physical and Chemical Properties

SECTION 10 - Stability and Reactivity SECTION 11 - Toxicological Information SECTION 12 - Ecological Information

SECTION 13 - Disposal Considerations

SECTION 14 - Transport Information SECTION 15 - Regulatory Information

SECTION 16 - Other Information

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

1.1 Product Name Sulfidic Caustic Solution Chemical Family Inorganic Salt Solution

Synonyms NA (mixture)
Formula NA (mixture)

1.2 Manufacturer CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021 713-676-1460

1.3 Emergency Contact Matt Bowman 713-826-1329

CHEMTREC 800-424-9300

SECTION 2 - COMPOSITION and INFORMATION ON INGREDIENTS

2.1 Chemical Ingredients (% by wt)

Typical Analysis

 Sodium Sulfide (Na2S)
 CAS#: 1313-82-2
 2 – 15%

 Sodium Hydroxide (NaOH)
 CAS#: 1310-73-2
 0 – 15%

 Sodium Hydrosulfide (NaHS)
 CAS# 16721-80-5
 0 – 5%

 Sodium Carbonate (Na2CO3)
 CAS#: 497-19-8
 0 – 4%

 Water
 remaining %

(See Section 8 for exposure guidelines)

Sulfidic Caustic Solution

06/24/07

SECTION 3 - HAZARDS IDENTIFICATION

NFPA:

Health – 3

Flammability – 0

Reactivity – 1

EMERGENCY OVERVIEW

Warning: Solution is highly alkaline.

May evolve small amounts of hydrogen sulfide, a highly toxic gas. EYE contact will cause marked eye irritation and possible corneal damage. SKIN contact will result in irritation and possible corrosion of the skin. INGESTION will irritate and burn the mouth, throat and the gastrointestinal tract; contact with stomach acid will cause hydrogen sulfide vapors to be released. HEATING or ACID contact will cause hydrogen sulfide gas to evolve.

3.1 POTENTIAL HEALTH EFFECTS

EYE: Contact with the eyes will cause marked eye irritation and possibly severe corneal damage.

SKIN CONTACT: Contact with the skin will cause skin irritation or a burning sensation. Prolonged contact will result in corrosion of the skin.

SKIN ABSORPTION: Absorption is unlikely to occur.

INGESTION: Ingestion will result in severe burning and corrosion of mouth, throat and the gastrointestinal tract. If the ingested material contacts stomach acid, highly toxic hydrogen sulfide gas will be evolved.

INHALATION: Product solution and vapors contain some highly toxic hydrogen sulfide gas. Exposure to this gas causes headaches, nausea, dizziness and vomiting. Continued exposure can lead to loss of consciousness and death.

CHRONIC EFFECTS – CARCINOGENICITY: Not listed as a carcinogen by NTP, IARC or OSHA.

SECTION 4 - FIRST AID MEASURES

- 4.1 **EYES:** Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye. Obtain immediate medication.
- 4.2 **SKIN:** Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain immediate medical attention.
- 4.3 **INGESTION:** DO NOT INDUCE VOMITING. If victim is conscious, immediately give 2 to 4 glasses of water. if vomiting does occur, repeat fluid administration. Obtain immediate medical attention.
- 4.4 **INHALATION:** Remove victim form contaminated atmosphere. If breathing is labored, administer oxygen. If breathinghas ceased, clear airway and start mouth to mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain immediate medical attention.

Sulfidic Caustic Solution 06/24/07

SECTION 5 - FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

FLASH POINT: Not Flammable

METHOD USED: NA

5.2 FLAMMABLE LIMITS: Hydrogen Sulfide

LFL: 4%

UFL: 44%

5.3 EXTINGUISHING MEDIA: Water spray or foam or as appropriate for combustion involved in fire.

- 5.4 FIRE and EXPLOSIVE HAZARDS: Solution is non-flammable. However if these solutions are exposed to heat or acids, hydrogen sulfide will be released and may form explosive mixtures with air (see above). Keep containers and/or storage vessels in fire area cooled with water spray. Heating may cause the release of hydrogen sulfide vapors.
- 5.5 FIRE FIGHTING EQUIPMENT: Because of the possible presence of toxic gases and the corrosive nature of the product, wear self-contained breathing apparatus, positive pressure, MSHA / NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTIAL RELEASE MEASURES

- 6.1 SMALL RELEASES: Isolate for 75 feet. Confine area to qualified response personnel. Wear proper Personnel Protective equipment (See Section 8). Confine release material by berming or diverting its path Absorb on sand, earth or other inert dry absorbent. Do not allow into sewer, storm drains or any waterway. Oxidize residual reactive sulfides with a weak (3-5%) hydrogen peroxide solution to stop the release of toxic hydrogen sulfide. Remove contaminated soil and dispose of in accordance with all governmental regulations.
 - .2 LARGE RELEASES: Activate Emergency Response Plan procedures. Isolate release area for 500 feet. Confine area to qualified response personnel. Wear proper Personnel Protective Equipment (See Section 8). Shut off release, if safe to do so. Dike spill area to prevent runoff into sewers, drains (potential toxic and explosive mixtures of hydrogen sulfide in confined spaces) or surface waterways (potential aquatic toxicity). Recover as much of the solution as possible. Treat remaining material as a small release (See 6.1).

SECTION 7 - HANDLING and STORAGE

- 7.1 HANDLING: Wear proper protective equipment (See Section 8). Avoid breathing product vapors. Avoid contact with skin and eyes. Use only in a well ventilated area. Dilute product only in enclosed containers. Wash thoroughly after handling.
- 7.2 STORAGE: Store in well ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store tote and smaller containers out of direct sunlight at moderate temperatures [<80 F (27 C)]. (See Section 10.4 for materials of construction)

Sulfidic Caustic Solution 06/24/07

SECTION 8 - EXPOSURE CONTROLS and PERSONAL PROTECTION

- 8.1 RESPIRATORY PROTECTION: If working near open container or storage vessel opening or open tank truck dome cover, wear self-contained breathing apparatus, positive pressure, MSHA / NIOSH (approved or equivalent).
- 8.2 SKIN PROTECTION: Neoprene rubber gloves, chemical suit and boots should be worn to prevent contact with the liquid. Wash contaminated clothing prior to reuse. Contaminated leather shoes cannot be cleaned and should be discarded.
- 8.3 EYE PROTECTION: Chemical goggles and a full face shield.

8.4 EXPOSURE GUIDELINES:

OSHA

ACGIH

<u>1V</u>

Hydrogen Sulfide

TWA STEL

TLV STEL

20 ppm (ceiling) 10 ppm (ceiling)

8.5 ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors. Where feasible scrub process or storage vessel vapors with caustic solution. Maintain eye wash safety shower in areas where chemical is handled.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

- 9.1 APPEARANCE: Light to dark brown to green or red liquid.
- 9.2 ODOR: Hydrocarbon (mercaptan), possibly hydrogen sulfide (rotten egg) odor.
- 9.3 BOILING POINT: Not Determined
- 9.4 VAPOR PRESSURE: Not Determined
- 9.5 VAPOR DENSITY: (Air = 1.0) 1.17
- 9.6 SOLUBILITY IN WATER: Complete
- 9.7 SPECIFIC GRAVITY: 1.03 1.3 (8.59 10.83 lbs/gal)
- 9.8 pH: 11.5 13.5
- 9.9 VOLATILE: Not Determined

SECTION 10 - STABILITY and REACTIVITY

- 10.1 STABILITY: This is a stable material.
- 10.2 HAZARDOUS POLYMERIZATION: Will not occur.
- 10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Heating product will evolve H2S gas. fire conditions will cause the production of sulfur dioxide. Hydrogen sulfide (4 44%) may form flammable mixtures with air.
- 10.4 INCOMPATIBILITY: Acids will cause the release of highly toxic hydrogen sulfide. Sulfidic caustic solution is not compatible with copper, zinc, aluminum or their alloys (i.e. bronze, brass, galvanized metals, etc.). Corrosive to steel above 150 F (65.5 C). These materials of

Sulfidic Caustic Solution

06/24/07

SECTION 10 – STABILITY and REACTIVITY (Continued)

construction should not be used in handling systems or storage containers for this product. (See Section 7.2 Storage)

SECTION 11 - TOXICOLOGICAL INFORMATION

- 11.1 ORAL: Data not available.
- 11.2 DERMAL: Data not available.
- 11.3 INHALATION: INH-RAT LC 50: 444 ppm (hydrogen sulfide)
- 11.4 CHRONIC and CARCINOGENICITY: No evidence available.
- 11.5 TERATOLOGY: Data not available.
- 11.6 REPRODUCTION: Data not available.
- 11.7 MUTAGENICITY: Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

None Available

`ECTION 13 - DISPOSAL CONSIDERATIONS

If released to the environment for other than its intended purpose, this product contains some reactive sulfides but not a sufficient quantity to meet the definition of a D003, hazardous waste. The pH may be high enough to meet the definition of a corrosive waste, D002.

SECTION 14 - TRANSPORT INFORMATION

- 14.1 DOT SHIPPING NAME: Corrosive liquids, n.o.s.
- 14.2 DOT HAZARD CLASS: 8
- 14.3 UN/NA NUMBER: UN1760
- 14.4 PACKING GROUP: II
- 14.5 DOT PLACARD: Corrosive
- 14.6 DOT LABLE(s): Corrosive
- 14.7 IMO SHIPPING NAME: Sodium Hydroxide Solution
- 14.8 RQ (REPORTABLE QUANTITY): 1,000 lbs (454 Kg) 100% basis (Approx. 538 gals)
- 14.9 USCG BARGE CERTIFICATION: SSH (sodium sulfide, hydrosulfide solutions, H2S 15 ppm or less). SSI (sodium sulfide, hydrosulfide solutions, H2S greater than 15 ppm but less than 200 ppm).

Sulfidic Caustic Solution

06/24/07

SECTION 15 - REGULATORY INFORMATION

- 15.1 OSHA: This product is listed as a hazardous material under criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- 15.2 SARA TITLE III. a. EHS (Extremely Hazardous Substance) List:
 - b. Sections 311 and 312 (Tier I, II) Categories:

Immediate (acute)

Yes

Fire

No

Sudden Release

No

Reactivity

Yes

Delayed (chronic)

No

- c. Section 313 (Toxic Release Report-Form R): No
- d. TPQ (Threshold Planning Quantity): No
- 15.3 CERCLA and SUPERFUND: RQ (Reportable Quantity) 1,000 lbs
- 15.4 TSCA (Toxic Substance Control Act) Inventory List: Yes
- 15.5 RCRA (Resource Conservation and Recovery Act) Status: Yes
- 15.6 WHMIS (Canada) Hazard Classification: E, D1
- 15.7 DOT HAZARDOUS MATERIAL: (See Section 14) Yes
- 15.8 CAA HAZARDOUS AIR POLLUTANT (HAP): No

SECTION 16 – OTHER INFORMATION

REVISIONS: The entire MSDS was reformatted to comply to ANSI Standard Z400.1-1993.

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSAREY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE THE MATERIAL SAFETY DATA SHEET PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.

Buddy Garcia, Chairman Larry R. Soward, Commissioner Bryan W. Shaw, Ph.D., Commissioner Mark R. Vickery, P.G., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 23, 2008

MR MATT BOWMAN
PRESIDENT
CES ENVIRONMENTAL SERVICES INC
4904 GRIGGS RD
HOUSTON TX 77021-3208

Permit by Rule Registration Number:

86173

Location/City/County:

2420 Gulfway Dr, Port Arthur, Jefferson County

Project Description/Unit:

Port Arthur Deep Water Facility

Regulated Entity Number:

RN105156111 CN600618946

Customer Reference Number: New or Existing Site:

New

Affected Permit (if applicable):

None

Renewal Date (if applicable):

None

CES Environmental Services, Inc., has certified the emissions associated with sodium hydrosulfide production at the Port Arthur Deep Water Facility under Title 30 Texas Administrative Code §§ 106.261, 106.262, 106.472, 106.475, and 106.492.

For rule information see www.tceq.state.tx.us/permitting/air/nav/numerical index.html.

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized by this registration. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

All analytical data generated by a mobile or stationary laboratory to support the compliance with an air permit must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory. For additional information regarding the laboratory accreditation program, please see the following website which includes the accreditation and exemption information:

http://www.tceq.state.tx.us/compliance/compliance_support/qa/env_lab_accreditation.html

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. John Gott, P.E., at (512) 239-1238.

Sincerely,

Certified Emissions:

Anne M. Inman, P.E., Manager Rule Registrations Section Air Permits Division

VOCs	0.03	tpy
SO ₂	0.23	tpy
CO	6.65	tpy
NO _x	3.33	tpy
PM ₁₀	0.02	tpy

Mr. Philip Evans, Director, The WCM Group, Inc., Humble

Air Section Manager, Region 10 - Beaumont

Project Number: 140921



September 11, 2008

Air Permits Initial Review Team (APIRT), MC-161 Texas Commission on Environmental Quality 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 LONE STAR AIRBILL NUMBER 41016267

Reference:

Registration of Permits-By-Rule

CN600618946

CES Environmental Services, Inc.

2420 South Gulfway Drive

Port Arthur, Jefferson County, Texas

Dear Sir or Madam:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed documentation to authorize the production of sodium hydrosulfide under Permits-By-Rule §106.261, §106.262, §106.472, §106.475 and §106.492. A copy of the previously submitted Texas Commission on Environmental Quality CORE Data form is enclosed.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/tv 27159:5330015.let.doc

Enclosure

CC:

M. Bowman

L. Vasse

B. Allen



September 11, 2008

Mr. John Racanelli Revenue Section (MC-214) TEXAS COMMISSION ON ENVIRONMENTAL QUALITY 12100 Park 35 Circle, Building F, Room 1206 Austin, Texas 78753 LONE STAR AIRBILL NUMBER 41016268

Reference:

Registration of Permit-By-Rule

CN600618946

CES Environmental Services, Inc.

2420 South Gulfway Drive

Port Arthur, Jefferson County, Texas

Dear Mr. Racanelli:

On behalf of CES Environmental Services, Inc., please find enclosed a check in the amount of \$450 to cover the fee for the above referenced Permit-By-Rule (PBR) registration. A copy of the PI-7-CERT Form is also enclosed.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/tv 27159:5330015.let.doc

Enclosure

cc: M. Bowman

L. Vasse

B. Allen

THE WCM GROUP INC. **PETTY CASH ACCOUNT**

Comerica Bank · Texas www.comerica.com

1416

P.O. BOX 3247 HUMBLE, TX 77347-3247

Four Hundred Fifty Dollars and no/100

DATE September 11, 2008

32-75/1110 787

TO THE ORDER OF

PAY.

Texas Commission on Environmental Quality

12100 Park 35 Circle 78753 Austin, TX

TWO SIGNATURES REQUIRED CHECKS ALLOWED OVER \$5,000.00

DOLLARS \$ 450.00

#001416#

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW
IF NOT CORRECT BY EASE NOTICE ILS PERMET V. NO RECEIPT DESIRED.

THE ATTACHED CHECK IS IN PAYME	DETACH AND RETAIN THIS STATEMENT THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW IF NOT CORRECT, PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED						
DESCRI	PTION	AMOUNT					
PBR Registration		\$450.00					
CES-PA-PBR							
	,						
	THE ATTACHED CHECK IS IN PAYME 15 NOT CORRECT, PLEASE NOTIFY US DESCRIF PBR Registration	DESCRIPTION PBR Registration CES-PA-PBR					

PERMIT-BY-RULE AUTHORIZATION FOR SODIUM HYDROSULFIDE PRODUCTION

Prepared for CES ENVIRONMENTAL SERVICES, INC. Port Arthur, Jefferson County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

September 2008

PERMIT-BY-RULE AUTHORIZATION FOR SODIUM HYDROSULFIDE PRODUCTION

Prepared for CES ENVIRONMENTAL SERVICES, INC. Port Arthur, Jefferson County, Texas

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2.0 EMISSIONS SUMMARY	2
3.0 PERMIT-BY-RULE APPLICABILITY	3

ATTACHMENTS

A - EMISSION CALCULATIONS

TCEQ FORMS AND TABLES

TCEQ CORE DATA FORM

PI-7-CERT FORM

TCEQ §106.4 CHECKLIST

TCEQ §106.261 CHECKLIST

TCEQ §106.262 CHECKLIST

TCEQ §106.472 CHECKLIST

TCEQ §106.492 CHECKLIST

TCEQ TABLE 8

FIGURES

- 1 AREA MAP
- 2 FACILITY SITE PLAN
- 3 PROCESS FLOW DIAGRAM
- 4 TORNADO FLARE SCHEMATIC

INTRODUCTION

CES Environmental Services, Inc. (CES) intends to construct and operate equipment for use in the batch production of sodium hydrosulfide (NaSH) on a property located at 2420 Gulfway Drive south of Port Arthur in Jefferson County, Texas. CES is submitting the enclosed documentation to demonstrate Permit-By-Rule (PBR) authorization for the production equipment and associated emissions. Currently, there are no other active emission sources at the site.

The production process involves the initial oxidation and acidification of an aqueous feed stream composed of dissolved sodium salts and sulfurized isobutylene oil. The reaction overhead is then routed via closed system to a sodium hydroxide solution where it is further reacted to produce the sodium hydrosulfide (NaSH) solution. The product is loaded into tank trucks or isocontainers and shipped off-site. Operational details are found in the Process Description section of this registration.

The CES facility is located in the Beaumont/Port Arthur ozone nonattainment area and will be classified as a minor source for emissions of Volatile Organic Compound (VOC) and Nitrogen Oxides (NO_X). The emissions associated with this project are calculated as 1.14 tons per year of VOC and 3.33 tons per year of NO_X. Federal nonattainment and PSD program requirements do not apply.

A PI-7-CERT Form with Texas Commission on Environmental Quality (TCEQ) §106.4, §106.261, §106.262, §106.472, and §106.492 Checklists are provided in the Forms section of this report. Emission calculations are provided in Attachment A. The figures section provides an Area Map, Facility Site Plan, Process Flow Diagram, and Tornado Flare Schematic.

1.0 PROCESS DESCRIPTION

An aqueous feed stream composed of dissolved sodium salts (sodium sulfide, sodium hydrosulfide, sodium hydroxide, sodium carbonate) and sulfurized isobutylene is delivered to the facility in tank trucks or isocontainers. The feed is batch transferred from the shipping container into a closed 45,000-gallon mix reactor vessel (T1) using a tank-to-tank vapor exchange (vapor balance). The material may also be routed through a 14,000-gallon oil/water separator (T9) to remove residual oil as needed prior to processing. The mix reactor contents can also be circulated through the oil\ water separator and back if required.

A 30% solution of hydrogen peroxide is transferred from a 7,000-gallon fixed roof tank (T2) to a smaller 500-gallon dilution vessel (T3) where it is diluted to a 10% solution. The dilute hydrogen peroxide is introduced into the mix reactor to oxidize the residual SIB oil. Sulfuric acid is then added from a 10,000-gallon fixed roof tank (T4) to react with the caustic sodium salts, maintaining the solution at pH 4. The reaction overhead flows from the mix vessel through a closed 6,000-gallon liquid collection (knock out) vessel (T6) and on to a second 6,000-gallon vessel (T7) containing a strong caustic solution (35% sodium hydroxide) for conversion to the sodium hydrosulfide (NaSH) product. The process vents to a caustic scrubber and then to a flare (FL1) to control any non-reacted sulfidic vapors. The caustic solution is supplied from a 8,000-gallon fixed roof tank (T-5). The aqueous sodium hydrosulfide product is transferred directly from the product collection tank (T7) into tank trucks or isocontainers and shipped off-site to the customer. Process wastewater solutions remaining in the mix reactor (T1) and collected in the overflow vessel (T6) are transferred to a 39,000-gallon wastewater tank (T8) for storage prior to off-site shipment. The wastewater is an aqueous solution of inorganic reaction salts.

The flare (FL1) is a three (3) inch diameter forty (40) foot tall air assisted smokeless gas flare equipped with supplemental fuel system and a continuously burning pilot. The pilot gas and supplemental fuel are propane supplied from a horizontal pressure storage vessel (T10). In addition to residual un-reacted overheads, the flare is used to control displacement losses from the oil/water separator vessel (T9) while the batch process is operating. When the batch process is not operated, collected oil is transferred to tank trucks or isocontainers for off-site shipment. Vapor balance is employed during this transfer to minimize emissions.

2.0 EMISSIONS SUMMARY

Emissions associated with the project include those generated from storage, processing, and transfer operations, as well as from potential fugitive equipment and piping component leaks. Displacement losses from material transfers are minimized using vapor balance. The reaction overhead composed of sulfidic compounds generated in the mix reactor (T1) flows through a closed vent system into the NaSH production vessel (T7) where it is converted to the product by reaction with caustic solution. There is no intermediate storage or handling of the overhead stream between the point of generation and the point of conversion. The only emissions are potential fugitive piping leaks. To account for the fugitive emissions of the sulfur containing reaction overhead, hydrogen sulfide is used as a worst-case representative compound. The vent from the NaSH production vessel is routed through an abatement train consisting of a caustic scrubber and flare to control any non-reacted sulfides. Based on sample results from pilot operations, the vent from the scrubber to the flare will contain less than 24 ppm of total sulfur compounds.

Fugitive emissions from potential leaks at valves, pumps, connections and other equipment associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". Reduction credit is taken for operations personnel monitoring the operations for leaks that can be detected by audible, visible or olfactory means.

Emission Summary

Pollutant	TPY
VOC	1.14
NO _X	3.33

3.0 PERMIT-BY-RULE APPLICABILITY

PROJECT CHEMICALS SUMMARY

CAS No.	Chemical	PBR
772-84-1	Hydrogen peroxide	106.262
68511-50-2	Sulfonated Isobutylene	106.261
1313-82-2	Sodium Sulfide	106.472
1310-73-2	Sodium Hydroxide	106.472
497-19-8	Sodium Carbonate	106.472
7664-93-9	Sulfuric Acid solution	106.472
16721-80-5	Sodium Hydrosulfide	106.472
8012-95-1	Oil	106.472

PROJECT EQUIPMENT SUMMARY

Status	s FIN Description		FIN Description Pro		Project Use	PBR
new	T1	45,000-gal capacity horizontal tank	Mix Reactor Vessel	106.261/262		
new	T2	7,000-gal capacity Horz Fixed Roof Tank	30% Hydrogen Peroxide storage	106,262		
new	Т3	550-gal capacity Vert Fixed Roof Tank	10% Hydrogen Peroxide storage	106.262		
new	T4	10,000-gal capacity horizontal tank	Sulfuric Acid storage	106.472 (5)		
new	T5	8,000-gal capacity horizontal tank	Sodium Hydroxide storage	106.472 (3)		
new	T6	6,000-gal capacity Vert Fixed Roof Tank	Liquid Collection tank	106.262		
new	T 7	6,000-gal capacity Vert Fixed Roof Tank	Product Collection tank	106.262		
new	Т8	39,000-gal capacity horizontal tank	Wastewater storage	106.472 (3)		
new	Т9	Oil water separator	Oil separation and storage	106.472 (3)		
new	TTL	Tank Truck/Isocontainer loading/unloading	Material loading	106.472		
new	N/A	Caustic scrubber	Vent control	N/A		
new	FL1	Flare	Vent control	106.492		
new	T10	Horizontal Pressure Storage Tank	Propane (LPG) fuel storage	106.475		





TCEQ Core Data Form

TCEQ Use Only

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: Gene	rai iniui matiun							
l V	n (If other is checked please of		•	•				
New Permit, Registra	tion or Authorization (Core Data	Form sh	ould be subn	itted wit	h the program application	n)		
Renewal (Core Data Form should be submitted with the renewal form)								
2. Attachments D	2. Attachments Describe Any Attachments: (ex. Title V Application, Waste Transporter Application, etc.)							
☐Yes ☑No								
3. Customer Reference N	3. Customer Reference Number (if issued) Follow this link to search 4. Regulated Entity Reference Number (if issued)							
CN	CN for CN or RN numbers in Central Registry** RN							
SECTION II: Cus	tomer Information						,	
5. Effective Date for Cus	tomer Information Updates (m	m/dd/yyy	(y) 07	01/2	2008			
6. Customer Role (Propos	sed or Actual) – as it relates to the F	egulated E	ptity listed on	this form.	Please check only one of	the following:	·	
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☐Occupational Licensee	Responsible Party	□ v	oluntary Clea	nup App	licant Other:			
7. General Customer Info	ormation	, 44			4			
New Customer	☐ Upd	ate to Cu	stomer Inform	ation	Change in	Regulated E	Intity Ownership	
1 -	(Verifiable with the Texas Secre	•	•	_	No Chang	<u>e**</u>		
**If "No Change" and Se	ction I is complete, skip to Se	ction III -	Regulated L	ntity In	<u>formation.</u>			
8. Type of Customer:	Corporation	<u> </u>	ndividual		Sole Proprietors	nip-D.B.A		
☐ City Government	County Government		ederal Gove	nment	State Governme	nt		
☐ Other Government	General Partnership		imited Partne	ership	Other:			
9. Customer Legal Name	(If an individual, print last name fin	st: ex: Doe		new Cu elow	stomer, enter previous C	<u>ustomer</u>	End Date:	
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2420	South Gulfwa	Y D	rive			- · · · · ·		
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13. Telephone Number	14	. Extensi	on or Code	<u> </u>	15. Fax Numb			
(281) 433-9	192				(713) 67	6-1676	•	
16. Federal Tax ID (9 digits)	17. TX State Franchise Tax	(ID (11 dig				X SOS Filin	g Number (if applicable)	
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SECTION III: Re	gulated Entity Inform	nation						
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(281) 433-		2								676-16				\neg
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2819	· · ·	<u></u>	290			- [5 or 6 digits) ろ25	188		(5 or 6 dig	241	91		
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35. Description to Physical Location:		NA	- 3	Stree	+ 4	adz	es (3	see	#2	4)				
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29	29 49 4				7.71 93				57		48	15		
39. TCEQ Programs an updates may not be made. If y	d ID N	umbers	Check all Pr	ograms an	d write in (the permits	registration n	umbers t	hat will be a	iffected by the up	dates subn	nitted on this	form or the	i .
Dam Safety		Distric		K Outer and		wards Ac				Hazardous Wa] Municipal	Solid Was	ste
													 -	
☐ New Source Review -	Air	OSSF			☐ Petroleum Storage Tank ☐ PWS] Sludge				
													····	
Stormwater		☐ Title	V – Air		1	ires			Used Oil] Utilities		
☐ Voluntary Cleanup	\dashv	□ Wasi	te Water		 	Nastewal	er Agricultur		Water Ri	nhts	- B	Other:		
LI Voluntery Oleanup	-		- 114(0)		 	Tabletta	o. r griounui	* 	Trater N	31.60	Industrial Solid Waste			laste
CECTION IV. I	Duan			otion.										
SECTION IV: I					.1.					13.00 .4	0.400	20 1		
			Tha	<u> </u>		,	1 4	1. Title		ASE M	arive			
42. Telephone Numbe		43. EX	ct./Code		4. Fax N		1-11		Mail Add	ess Ceser	11/240	nment	V-C01	
(281) 433-97		<u> </u>			415)	676 4	0 16	pina	rgucio	-CU361		7 () 4 () 4 () ()	Cr + C 07	m\
SECTION V: A 46. By my signature by and that I have signature updates to the ID num (See the Core Data F	below, ure aut ibers i	I certify hority to dentified	y, to the losubmit	best of a this for 39.	m on be	ehalf of	the entity	specifi	ed in Se	ction II, Field				
-	ES		Asith				Job T	itle:	#SE	Managi				
	rabt	aker	R.T.	Thano	proh		<u> </u>	h	-	Phone:	(28))433. 12-2	9792	_
Signature: 2		α	17										- 00	
oralization	who	- Jan	1/au	gran						Date:	8-	12-2	008	

TCEQ-10400 (09/07)

ATTACHMENT A EMISSION CALCULATIONS

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR SUMMARY OF EMISSIONS AND PBR APPLICABILITY DOCUMENTATION

PBR 106.472

	Sto	age	Fugi	lives	Total		
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	
Sodium Sulfide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Sodium Hydroxide	0.0129	0.0619	0.0000	0.0000	0.0129	0.0619	
Sodium Carbonate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Sulfuric Acid	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Sodium Hydrosulfide	0.0002	0.1120	0.0000	0.0000	0.0002	0.1120	
Salts	1.0885	0.4084	0.0000	0.0000	1.0885	0.4084	
Oil	0.0002	0.0351	0.0000	0.0000	0.0002	0.0351	
					1 1016	0.5900	

1.1016 0.5823 non-VOC 0.0304 1.1368 VOC

PBR 106.492 Flare Combustion

NOX	0.7606	3.3316	NOx
ÇO	0.0255	6.6511	CO
SO2	0.0535	0.2344	SO2

PBR 106.261 / 106.262

	Stor	age	Fug	itives	Total		
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	
SIB Oil	0.0248	1.0781	0.0054	0.0237	0.0302	1.1017	
Hydroxide Peroxide	0.0032	0.8396	0.0011	0.0046	0.0042	0.8442	
Hydrogen Sulfide	N/A	N/A	0.0053	0.0234	0.0053	0.0234	

3.1134	14.5229	TOTAL
0.0304	1.1368	VOC

PBR Compliance

	Applicable	TLV	PBR All	owable	PBR Compliance		
Chemical	PBR	mg/m^3	lb/hr	TPY	lb/hr	TPY	
SIB Oil	106.261	0	1.0000	10.0	YES	YES	
Hydrogen peroxide	106.262	1.4	0.008	5.0	YES	YES	
Hydrogen sulfide	106.262	1.1	0.0065	5.0	YES	YES	

PBR Allowables:

lb/hr ton/yr

106.261 1.0 10.0

106.262 E=L/K 5.0

 $L = TLV (mg/m^3)$

K = 169 ,receptor distance = 250 ft

Page 1 NASH PBR Calcs

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR TANK EMISSION CALCULATIONS

TANK EMISSION CALCULATIONS								T			
	Tank ID: chemical	T1 SIB Oil	T1 Sulfidic causti	T2 30%	T3 10%	Т4	T5	Т6	Т7	T8 Salts	T9 Oil
Annual Throughput, gal/yr	Material: Q =	Mix Tank 13,000,000	Mix Tank 13,000,000	Hydroxide Peroxide 1,560,000	Hydroxide Peroxide 7,800,000	Sulfuric Acid	Sodium Hydroxide 1,040,000	Sodium Hydrosulfide 2,340,000	Sodium Hydrosulfide 2,340,000	Wastewater 5,200,000	Separator 364,000
Max Hourly Transfer Rate, gal/hr	FR = 1	4,000	4.000	6,000	500	60	60	60	60	4,000	60
Emissions:		.,,,,,	1	1		l l					
Maximum Hourly Emissions, lb/hr	Lmax =	0.02480	0.02308	0.00000	0.00318	0.00000	0.01295	0.00011	0.00011	1.08849	0.00023
Total Annual Emissions, TPY	Lt =	1.07806	1.00331	0.15808	0.68148	0.00001	0.06187	0.05600	0.05600	0.40844	0.03510
Annual Average Hourly Emis, lb/hr	Lavg =	0.246	0.229	0.036	0.156	0.000	0.01412	0.013	0.013	0.093	0.008
Standing loss, lb/yr	Ls =	7.334	6.576	17.972	1.068	0.001	3.134	2.167	2.167	62.313	0.000
Working loss, lb/yr	Lw =	2148.790	2000.053	298.195	1361.893	0.011	120.597	109.824	109.824	754.559	70.198
Material Properties:								_			4=0.00
Molecular Weight, lb/lb-mole	Mv =	18.00	18.00	20.80	18.83	98.07	15.26	18.00	18.00	18.00	150.00
Vapor Pressure @ Tla, psia	Pva =	0.39	0.36	0.39	0.39	0 .00	0.32	0.11	0.11	0.34	0.05
Vapor Pressure @ Tin, psia	Pvn =	0.33	0.30	0.32	0.33	0.00	0.27	0.09	0.09	0.29	0.04 0.07
Vapor Pressure @ Tix, psia	Pvx =	0.46	0.42	0.46	0.46	0.00	0.38	0.13	0.13	0.40	0.07
Max. Vapor Pressure @ mTix, psia	Pvmax =	0.72	0.67	0.65	0.71	0.00	0.59	0.21	0.21	0.63	0.11
Tank Properties:							ı			2020	flare
Vapor control device		scrubber	scrubber	vapor balance	scrubber	none	none	scrubber	scrubber	none 0	99
Vapor control efficiency, %	e =	98	98	100	98	0	0	98	98	41,123	14,099
Capacity volume, gal	Çv =	47,966	47,966	8,812	547	13,535	15,039	6,016	6,016	10.0	10.0
Shell Diameter, ft	D =	10.8	10.8	10.0	4.5	8.0	8.0	8.0	8.0 16.0	70.0	24.0
Shell Height/Length, ft	Hs =	70.0	70.0	15.0	4.6	36.0	40.0	16.0	vert	horiz	vert
Tank Orientation (vertical or horizontal)		vert	vert	horiz	horiz	horiz	horiz	vert	cone	N/A	cone
Roof type (cone or dome)		cone	cone	N/A	N/A	N/A	N/A white	cone white	white	white	white
Tank Color (white, light gray, other)		white	white	white	white	white		0.17	0.17	0.17	0.17
Solor absorbance factor	a =	0.17	0.17	0.17	0.17	0.17	0.17 0.3	0.17	0.17	0.17	0.17
Pressure vent setting, psig	Pbp =	0.3	0.3	0	0	0	∪.3 □ -0.3	l ö	0	Ö	o
Vacuum vent setting, psia	Pbv =	-0.3	-0.3	0	0	0	-0.3 20.2	8.0	8.0	29.9	10.0
Effective diameter, ft	De =	10.8	10.8	13.8	5.1 2.3	19.2 4.0	4.0	8.0	8.0	5.0	12.0
Avg. Liquid Height, ft	HI =	35.0	35.0	5.0		8.0	8.0	16.0	16.0	10.0	24.0
Max. Liquid Height, ft	HIX =	70.0	70.0	10.0 0.00	4.5 0.00	0.00	0.00	0.08	0.08	0.00	0.10
Roof Outage, ft	Hro =	0.00	0.00	5.00	2.25	4.00	4.00	8.08	8.08	5.00	12.10
Vapor Space Outage, ft	Hvo =	35.00	35.00			1152.58	1280.65	406.31	406.31	3501.78	950.66
Vapor space volume, ft ³	Vv =	3206.31	3206.31	750.38	46.60	1 1192.90	1200.03	1 400.01	1 300.01	55515	1

Page 2 NASH PBR Calcs

Operating Conditions (Houston, Tx):			l		ł	ł	1	ł	1	1	
Atmospheric pressure, psia	Pa =	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Annual Avg. Daily solar insulation factor, Btu/ft^2 day	1=	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351
Annual Avg. Daily max. ambient temp, R	Tax =	539,1	539.1	539.1	539.1	539.1	539.1	539.1	539.1	539.1	539.1
Annual Avg. Daily min. ambient temp, R	Tan =	517.4	517.4	517.4	517.4	517.4	517.4	517.4	517.4	517.4	517.4
Annual Avg. Daily vapor temp. range, R	^Tv =	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
Annual Daily avg. liquid surface temp, R	Tla =	530.1	530.1	530.1	530.1	530.1	520.0	530.1	530.1	530.1	530.1
Annual Avg. Daily min. liquid surface temp., R	Tin =	524.6	524.6	524.6	524.6	524.6	515.0	524.6	524.6	524.6	524.6
Annual Avg. Daily max. liquid surface temp., R	Tlx =	535.6	535.6	535.6	535.6	535.6	525.0	535.6	535.6	535.6	535.6
Highest Month Daily solar insulation factor, Btu/ft^2 day	mi =	1898	1898	1898	1898	1898	1898	1898	1898	1898	1898
Highest Month Daily max. ambient temp, R	mTax =	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6
Highest Month Daily min. ambient temp, R	mTan =	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5
Highest Month Daily vapor temp. range, R	m^Tv =	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
Highest Month Daily max. liquid surface temp., R	mTlx =	551.7	551.7	551.7	551.7	551.7	525.0	551.7	551.7	551.7	551.7
Gas Constant, psia-ft^3/lb mole-R	R=	10.73	10.73	10.73	10.73	10.73	10.73	10.73	10.73	10.73	10.73
Vapor Density, lb/ft ³	Wv =	0.001	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.001
Daily vapor pressure range, psia	^Pv =	0.131	0.121	0.138	0.134	0.000	0.108	0.037	0.037	0.115	0.020
Vapor space expansion factor	Ke =	0.009	0.008	0.051	0.051	0.042	0.008	0.044	0.044	0.050	0.043
Vented vapor saturation factor	Ks =	0.583	0.600	0.907	0.956	1.000	0.937	0.955	0.955	0.918	0.967
Working Loss Product Factor	Kp=	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turnovers	N =	271.02	271.02	177.03	14253.46	76.84	69.15	388.98	388.98	126.45	25.82
Turnover factor	Kn=	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Operating Days, days/yr	Days =	365	365	365	365	365	365	365	365	365	365

Page 3 NASH PBR Calcs

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR FUGITIVE EMISSION ESTIMATES

MATERIAL	FIN	VP (psia)	Liquid wt frac.	Stream Type LL,HL,G/V	Valves	lbs/hr	Flanges	lbs/hr	Gas/Vapo Valves	r !bs/hr	Pumps	lbs/hr	Relief Valves	lbs/hr	Total lb/hr	EMISS (lb/hr)	SIONS (ton/yr)
MATERIAL	- ' '''	(pola)	WE HELD.	LL, HL, GIV	Taires	IDS/III	i langes	IDS/III	Valves	I DOFFII	Fullipa	103(1)	Varves	Ingelli	107117	(113/111/	((0.0)17
SIB oil	T1	0.20537	1.0000	LL	20	0.0021	40	0.0006	0	0	1	0.002702	0	0	0.0054	0.0054	0.0237
Hydrogen peroxide 30%	Т2	0.65214	0.3000	Щ	8	0.00084	16	0.00024	0	0	1	0.002702	1	0.006879	0.0032	0.0010	0.0042
Hydrogen peroxide 10%	тз	0.70865	0.1000	ம	3	0.000315	8	0.00012	0	0	1	0.002702	1	0.006879	0.0010	0.0001	0.0004
Hydrogen sulfide	process gas		1.0000	G/V	0	0	0	0	20	0.00534	0	0	0	0	0.0053	0.0053	0.0234
																0.0118	0.0517

	Total					
Speciation	lb/hr	TPY				
SIB oil	0.0054	0.0237				
Hydrogen peroxide	0.0011	0.0046				
Hydrogen sulfide	0.0053	0.0234				
Total	0.0065	0.0283				

Monitoring is performed in accordance with TCEQ AVO.

SOCMI Factors	Valves	Flanges	G/V/V/v	GAV Fing	Pumps	Relief VIV	#Agitator.
Light Liquid (LL)	0.0035	0.0005			0.0386		0.0005
Gas / Vapor (G/V)			0.0089	0.0029		0.2293	
Heavy Liquid (HL)	0.0007	0.00007	•		0.0161		0.00007
						*	
LL,G/V - Efficiency (%)	97	97	97	97	93	97	97
HL - Efficiency (%)	0	0	30	30	0	0	0

^{*} Per TCEQ guidance, fugitive emissions are not estimated for materials with vapor pressure < 0.002 psia.

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR Flare Combustion Calculation

Flare design data

224.7 scf /min

Vent gas composition

24 ppm sulfur compounds to flare

Calculation Basis: IDEAL GAS LAW, PV = nRT

data

6.651

0.026

where:

P = pressure (psia)

14.7 psia 224.7 scf /min

V = volumetric flow rate (scf /min)

10.73 psia scf / lb mole R

R = Universal Gas Constant

530.1 R

T= Temperature

n = no. of moles of gas

Vent gas sulfur compound portion is 24 ppm

then,

 $n = PV/RT * 60 * 24/10^6$

0.00084 lb mole sulfur / hr

Flare combustion will convert the sulfur compounds in the vent stream to SO2.

To convert to SO2, 1 lb mole SO2 is 64 lb

0.0535 lb/hr SO2

0.23 TPY SO2

N/A

COMBUSTION

	vent gas	pilot gas	supplemental	gas		
heat	0	2315.9	2315.9	Btu/scf	1	
flow	13482	20	2360	scfh		
rate	118,102,320	175,200	20,673,600	scf/year]	
	Factor			Factor		
	lb/MMBtu	NO _x TPY	NOx lb/hr	lb/MMBtu	CO TPY	CO lb/hr
Vent Gas	0.1380	0.000	0.000	0.2755	0.000	0.000
Pilot Gas	0.1380	0.028	0.006	0.2755	0.056	0.013
Supplemental Gas	0.1380	3.304	0.754	0.2755	6.595	0.013

Flare Destruction/Removal Efficiency and Emission Factors are based on TCEQ Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers: RG-109 October 2000 for high Btu non-steam assisted flares.

Pilot Gas Sample calculation:

Total

N/A

NOx ton/yr: (2,316 Btu/lb) * (175,200 lb/MMBtu) / 1000000 * (0.1380 lb/yr) / 2000 = 0.028 tpy

NOx lb/hr: (2,316 Btu/lb) * (20 lb/MMBtu) / 1000000 * (0.1380 lb/yr) = 0.006 lb/hr

3.332

0.761

³ TCEQ Technical Flare Guidance states in Table 4 Flare Factors - PM emission factor is none.

TCEQ FORMS AND TABLES



Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

		to a way to be to go as						
I. REGISTRANT INFORMATIO	N							
A. TCEQ Customer Reference Number:	CN-600618946	TCEQ Regi	ılated E	ntity Number:				
Note: If "NO," CN or RN number was ent of the submittal process.	ered above; please fill o		•		iich will be	available in Step II		
B. Company or Other Legal Customer Na	me: CES Environmental	Services Inc.						
Company Official Contact Name: Matt Bo	wman	Title: Presid	lent					
Mailing Address: 4904 Griggs Road								
City: Houston		State: TX		Zip Code: 7	7021			
Phone No.: (713) 676-1460	Fax No.: (713) 676-167	Fax No.: (713) 676-1676 E-mail Address: mbowman@cese						
C. Technical Contact Name: Philip Evans	3							
Company: The WCM Group, Inc.								
Mailing Address: 110 Bender Ave								
City: Humble State: TX Zip Code: 77336								
Phone No.: (281) 446-7070	Fax No.: (281) 446-334	18	E-mail	Address: pev	ans@wcmg	roup.com		
D. Facility Location Information - Street Address: 2420 S. Gulfway Drive								
If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed)								
City: Port Arthur County: Jefferson Zip Code: 77641								
II. FACILITY AND SITE INFORMATION								
A. Name and Type of Facility: CES Envi	ronmental Services Inc.				X Perm	anent Portable		
B. PBR claimed under 30 TAC § 106 (L.	ist all):							
§ 106.261		§ 106.475						
§ 106.262		§ 106.492						
§ 106.472		§ 106.						
Are you claiming a historical standard ex	emption or PBR?					☐ YES X NO		
If "YES," enter effective date and Rule Nu	mber:							
C. Are you registering a grandfathered	facility? If "YES," attack	h documentat	on of co	nstruction da	te:	☐ YES X NO		
D. Is there a previous Standard Exemption	on or PBR for the facility	in this registra	ation?			☐ YES X NO		
(Attach details regarding changes)	_	_						
If "YES," enter Registration Number and	Rule Number:				261/262			
E. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?								
If "YES," enter Registration Number and	Rule Number:							
F. Are there any other air preconstruct	ion permits at this site?					☐ YES X NO		
If "YES," enter Permit Numbers:								
G. Is this site required to obtain an air federal operating permit?								
If "YES," enter Permit Number:								
H. TCEQ Account Identification Numbe	r (if known):							

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

III. FEE INFORMATION						
To determine if a fee is required answer the following question. If "YES," to question III. A., "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee o online.						
A. Is this registration an update to a previously registered facility and accompanied by a Ce to establish a federally enforceable emission limit?	ertification Form solely	☐ YES X NO				
B. What is the fee amount? If "YES," to any of the following three questions, a \$100 fee is	require.Otherwise, a \$4.	50 fee is required.				
Does this business have less than 100 employees?		☐ YES X NO				
Does this business have less than 1 million dollars in annual gross receipts?		T YES X NO				
Is this registration submitted by a governmental entity with a population of less than 10,000?	?	TYES X NO				
C. Check/Money Order or Transaction Number (Payable to TCEQ):	Was fee Paid online?	☐ YES X NO				
Company name of check: The WCM Group, Inc. Fee amount:						
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION						
Note: If claiming one of the following PBRs, complete this section, then skip to Section V		istration" helow				
Animal Feeding Operations § 106.161 Livestock Auction Facilities § 106.16						
Grain Handling, Storage and Drying § 106.283 Auto Body Refinishing Facilities § 1						
A. Is the applicable PBR checklist attached which shows the facility meets all general and s the PBR(s) being claimed? (If submitting electronically, click "YES".)						
B. Distance from this facility's emission release point to the nearest property line:		feet				
Distance from this facility's emission release point to the nearest off-property structure:		feet				
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REG Registrants must be in compliance with all applicable state and federal regulation						
A. Is Confidential information submitted and properly marked "CONFIDENTIAL" with the		☐ YES X NO				
B. Is a process flow diagram or a process description attached?		X YES NO				
C. Are emissions data and calculations for this claim attached?		X YES □ NO				
D. Is information attached showing how the general requirements (30 TAC § 106.4) of the Registration? (PBR checklists may be used, but are optional)	e PBR is met for this	X YES □ NO				
Note: Please be reminded that if the facilities listed in this registration are subject to the Me	ıss Emissions Cap & Tra	de program under				
30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities mus		-				
actual NO _{x,} emissions from these facilities.						
E. Is information attached showing how the specific PBR requirements are met for this re (PBR checklist may be used, but are optional)	gistration?	X YES 🗖 NO				
F. Distance from this facility's emission release point to the nearest property line:		200 feet				
Distance from this facility's emission release point to the nearest off-property structure:		250 feet				
Note: In limited cases, a map or drawing of the site and surrounding land use may be request of the TCEQ Regional Office or local air pollution control program during an inve	•	al review or at the				

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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Texas Commission on Environmental Quality Form PI-7-CERT Certification and Registration for Permits by Rule

VL SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request and review their personal information that the agency gather on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-328-4.

SIGNATURE:

VII. SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION

Copies must be sent as listed below:

Processing delays may occur if copies are not sent as noted.

Who	Where	What
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form, and all attachments
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address, go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.

TCEQ 20182 (Revised 02/07) Form PI-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v5)

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

Company Name: <u>CES Environmental Services, Inc.</u>

Checklist completed by: <u>The WCM Group, Inc.</u>

Pacility Type: <u>Chemical production</u>

Date: <u>September 2008</u>

Permit(s) by rule claimed: 30 TAC Chapter §106: <u>261</u>, <u>262</u>, <u>472</u>, <u>475</u>, <u>492</u> Project Description (including equipment, materials, and brief process description):

This project installs a four storage tanks, a mix vessel with an overflow vessel and a product hold tank. The production operation also includes an oil/water separator, scrubber and flare. Aqueous feed stream is treated with hydrogen peroxide and then reacted with sulfuric acid to generate reaction gases that are bubbled through a caustic solution to produce sodium hydrosulfide.

The process vents to a scrubber and then to a flare for odor abatement.

CO	6.65	NO _X	3.33	VOC	1.14	
PM	0.00	SO ₂	0.00	Other	0.00	

The following questions require a "Yes" or "No" answer to be indicated for this permit by rule claim:

A. Title 30 TAC § 106.4(a)(5): Current Permit by Rule Requirements

Yes X No Have you checked to determine if this exempt project is being claimed under the current version of 30 TAC 106? If "Yes", continue to next question If "No", please contact the Air Permits Division for a copy of the current permit by rule to be claimed.

B. Title 30 TAC § 106.4(a)(7): Permit by rule prohibition check

Yes No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule?

If "No ", continue to next question

If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit.

A new permit or permit amendment may be required.

List permit number(s):

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of§l 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

- A. dividing a complete project into separate segments to circumvent \$106.4(a)(l) limits:
- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes□ No X Does your project meet any of the criteria listed above?

If "No", continue to next rule question If "Yes", a permit y rule may not be claimed.

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No The maximum emissions from <u>all</u> facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant.

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist.

TCEQ 10150] [Revised 10/04] 106-4qckl - Permits by Rule "Quick Check" Applicability 106.4q Checklist This form is for use by sources subject to air quality permit requirements and may be revised periodically. [APDG S001v3]



Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here Hard-Copy Submittal - Print and complete the following checklist.

if submitting electronically.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

CHECK THE MOST AP	PROPRIATE ANSWER							
	Is a description or checklist of how this claim meets the general requirements for the use of PBRs X YES DNO DN/A in 30 TAC § 106.4 attached?							
bl Is this claim for const a standard permit is project	truction of a facility authorized in anoth in effect? If "YES," this PBR cannot b	ner section of this chapter or for voce used to authorize emissions from	which representation YES X NO DN/A					
	change to any facility authorized unc standard permit? If "YES," this PBR of							
structure not occupi	nges located at least 100 feet from any led or used solely by the owner or operath the facilities are located?	recreational area or residence or ator of the facilities or the owner of	other X YES NO N/A					
a2 Are total new or incre(lb/hr) and ten tons	eased emissions, including fugitives, les per year of the following materials (chec	ss than or equal to 6.0 pounds per ck all that apply):	hour					
benzene In fluorocarbons Number a3 Are total new or increase the common state of the	helium isohexane isopropyl alcohol methyl acetylene methyl chloroform methyl cyclohexane neon nonan oxides of nitrogen propyl alcohol propyl alcohol propylene actions (except for pyrolysis naphthas rs 11, 12, 13, 14, 21, 22, 23, 113, 114, 1 reased emissions, including fugitives, lyalue (L) greater than 200 milligrams of 30 TAC § 106.262 of this title (relatival: L value:	15, and 116 less than or equal to 1.0 lb/hr or per cubic meter (mg/m³) as listed	f any ☐ YES ☐ NO X N/A					

	Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical not listed or referenced in Table 262? List chemical:Sufonated Isobutylene	X	YES	□ NO	□N/A
	Are total new or increased emissions, including fugitives, of a chemical with a limit value of less than 200 mg/m ³ ? If "Yes", the authorization of the chemical is not allowed under this section. We suggest you use 30 TAC §106.262 to authorize the emissions, if applicable.		YES	□ NO	X N/A
a4 .	Are there any changes to or additions of any existing air pollution abatement equipment?		YES	X NO	□n/a
a5	Will there be any visible emissions, except uncombined water, emitted to the atmosphere from any point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?		YES	X NO	□N/A
a6	Are emission increases five tons per year or greater? If "YES," this checklist must be attached to a Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.		YES	X NO) □N/A
a7	Are emission increases less than five tons per year? If "YES," this checklist must be attached to a Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one):		YES		DN/A
	 Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. 				



Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.262 (30 TAC § 106.262) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

CHECK THE MOST APPRO	PRIATE ANSWER					
	st of how this claim meets the general	ral requirements for the use	X YES	□ NO	□ N/A	
b1. Is this claim for construct or for which a standard p authorize emissions from	of PBRs in 30 TAC § 106.4 attached? 1. Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project.					
or authorized under a star emissions from the project		nnot be used to authorize	☐ YES	X NO	□ N/A	
	under another section of this chapter 2) and (3) of this section may be use		X YES	□ NO	□ N/A	
or other structure not occurred the owner of the property	located at least 100 feet from any cupied or used solely by the owner upon which the facilities are located	or operator of the facilities or ed?	X YES	□ NO	□ N/A	
tons per year or in a quan Table 262 Figures 1 and project, calculations for						
Chemical:_hydrogen peroxide L value:1.4						
a3. Is this checklist attached to a Form PI-7 within ten days following the installation or					□ N/A	
	following chemicals is handled for swer the following four questions.	this registration? (Check all	☐ YES	□ NO	X N/A	
acrolein allyl chloride ammonia (anhydrous) arsine boron trifluoride bromine carbon disulfide chlorine chlorine dioxide chlorine trifluoride chloroacetaldehyde chloropicrin chloroprene	diazomethane diborane diborane diglycidyl ether dimethylhydrazine ethyleneimine ethyl mercaptan fluorine formaldehyde (anhydrous) hydrogen bromide hydrogen chloride hydrogen fluoride hydrogen fluoride hydrogen selenide	hydrogen sulfide ketene methylamine methyl bromide methyl hydrazine methyl isocyanate methyl mercaptan nickel carbonyl nitric acid nitric oxide nitrogen dioxide oxygen difluoride	perchl phospi phospi selenii hexafl	orne oromethyl n oryl fluorid ene hine horus trichle	e oride ne ioxide d	

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Title 30 Texas Administrative Code § 106.262 Permit by Rule (PBR) Checklist Facilities (Emission and Distance Limitations)

	Are all facilitie from any off-pl		d at least 300 feet from the nearest property line and 600 feet or?	☐ YES	□ NO	X N/A
	Are the cumula authorizations equal to 500 po	under this sounds on the	☐ YES	□ NO	X N/A	
	Are all listed cl the United State Regulation, Par	es Departm	☐ YES	□NO	X N/A	
	Are any change	es to or add	itions of any existing air pollution abatement equipment?	☐ YES	□ NO	X N/A
a5.	Are there any o	hanges to o	or additions of any existing air pollution abatement equipment?	☐ YES	□ NO	X N/A
a6.			missions, except uncombined water, emitted to the atmosphere source in amounts greater that 5.0% opacity in any six-minute	☐ YES	□ NO	X N/A
	D, Feet	K				
	100	326	E=maximum allowable hourly emission, and never to exceed 6	pounds per	hour.	
	200	200				
	300	139				
	400	104				
	600	65				
	700	54				
	800	46	K=value from the table on this page. (interpolate intermediate	values)		
	900	39				
}	1,000	34				
2	2,000	14	D=distance to the nearest off-plant receptor			
3	3,000 or more	8				

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

TABLE 262 LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING § 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for new Construction or Modification).

Compound Acetone	<u>Limit (L) Milligrams Per Cubic Meter</u> 590.
Acetaldehyde	9.
Acetone	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluride, as HF	0.5
Butyl Alcohol,	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptain	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound Dipropylamine	Limit (L) Milligrams Per Cubic Meter 8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene 2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16.
Heptane	350.
Hexanediamine, 1, 6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-T-Butyl Ether	45.
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Merthyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)

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Compound	Limit (L) Milligrams Per Cubic Meter
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350.
Phenyl Mercaptan	0.4
Propionitrile	14.
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous-precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succiononitrile	20.
Tolidin	0.02
Trichloroethylene	135.
Trinethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (AGGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

TCEQ - 10122 (Revised 10/04) PBR Checklist for Facilities (Emissions and Distance Limitations) This form is for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5019 v4)



Texas Commission on Environmental Quality

Exemption §106.472 Checklist (Previously Standard Exemption 51)

Organic Liquid Loading and Unloading

The following checklist is designed to help you confirm that you meet §106.472, previously Standard Exemption 51 (STDX 51), requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Exemption §106.472, previously Standard Exemption 51. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

<u>YES</u>	<u>NO</u>	<u>NA</u>	DESCRIPTION
<u>X</u>	_	_	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106, Subchapter A checklist is available)?
<u>X</u>	_		Are all the facilities claimed for exemption specifically named in the general section of §106.472, previously STDX 51? (This exemption has been interpreted to allow mixing or blending but not chemical reaction in tankage.)
<u>x</u> _	_	_	Is the equipment designed to prevent visible emissions?
X	_	_	Are all the chemicals to be loaded, unloaded, or stored described in §106.472, previously STDX 51(a) - (i)? Attach a list of the chemicals and identify the appropriate item of §106.472, previously STDX 51 that applies. Include additional supporting data. For example, a §106.472, previously STDX 51(i), claim should identify initial boiling points of all compounds to be covered.
	_	<u>X</u> _	Will aqueous ammonia solutions, hydrochloric acid, or acetic acid be vented through a water scrubber?
	-	<u>X</u>	Are facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees F or greater listed in 40 CFR 261, Appendix VIII, located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? List these compounds and show their handling location on an attached scaled plot plan.



Exemption §106.492 Checklist (Previously Standard Exemption 80)

Smokeless Gas Flares

YOU MUST SUBMIT A PI-7 WITH REQUIRED ATTACHMENTS BEFORE CONSTRUCTION OR OPERATION IF THE GAS BURNED IN THE FLARE HAS A SULFUR OR CHLORINE CONCENTRATION GREATER THAN 24 PPMV.

The following checklist is designed to help you confirm that you meet Exemption §106.492, previously standard exemption 80, requirements. Any "no" answers indicate that the claim of exemption may not meet all requirements for the use of Exemption §106.492, previously standard exemption 80. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

YES	NO	<u>NA</u>	DESCRIPTION
X	_	_	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106.4 checklist is available)?
X		-	Is the flare equipped with a tip designed to provide good mixing with air, flame stability and a tip velocity less than 60 ft/sec for gases having a lower heating value less than 1,000 BTU/ft ³ , or less than 400 ft/sec for gases with a LHV greater than 1,000 BTU/ft ³ ? Attach a description including BTU content and tip velocity (Table 8 is available).
_	_	_	Is the flare equipped with a continuously burning pilot or other automatic ignition system that assures gas ignition whenever vents are directed to the flare? Attach a description of the system.
	_	<u>X</u>	If the flare emits more than 4 #/hr of reduced sulfur compounds, excluding sulfur oxides, is it equipped with an alarm system that immediately notifies appropriate personnel when the ignition system ceases functioning? Attach a description of the system.
-	_	<u>X</u>	If the flare emits less than 4 #/hr of reduced sulfur compounds and is not equipped with an alarm system, does the stack height meet the requirements of condition (d) of §106.352, previously standard exemption STDX 66? Required height: Actual height
_	_	X_	If the flare burns gases containing more than 24 ppmv of sulfur, chlorine or compounds containing either element, is it located at least 1/4 mile from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the flare or owner of the property where the flare is located? Attach a scaled map.
	_	<u>X</u>	If the flare emits HCl, does the heat release (BTU/hr based on lower heating value) equal or exceed 2.73 x 10E5 x HCl emission rate(lb/hr)? Attach calculations.
_	-	<u>X</u>	If the flare emits SO2, does the heat release (BTU/hr based on lower heating value) equal or exceed 0.53 x 10E5 x SO2 emission rate (lb/hr)? Attach calculations.
<u>X</u>	_	_	Will you limit the flare to burning only combustible mixtures of gases containing only carbon, hydrogen, nitrogen, oxygen, sulfur, chlorine, or compounds derived from these elements?
X	_	_	Will the gas mixture always have a net or lower heating value of at least 200 BTU/ft3 prior to addition of air?
X			Do you understand and will you ensure that liquids shall never be burned in the flare?

TABLE 8

FLARE SYSTEMS

Number from Flow Diagram N/A				Manufacturer & Model No. (if available) Tornado Air Assist Flare				
CHARACTERISTICS OF INPUT								
Waste Gas Stream	Material	Min. Value Expected			Ave. Value Expected		Design Max.	
·				F,14.7 psia]) (scfm [68°F, 14.7		14.7 psia])	7 psia]) (scfm [68°F, 14.7 psia])	
	air with sulfur compounds	200		200			264	
·	2.				·	_ 1		
	3.							
	4.							
	5.							
	6.							
	7.							
	8							
% of time this condition		···						
		Flow Rate (scfm [68		[68°F, 1	4.7 psia])	Temp. °F		Pressure (psig)
		Minimum Expected		Design Maximum		i		
Waste Gas Stream		220		224.7	224.7			2
Fuel Added to Gas Steam		39.3 39.		39.3	100			2
1	Number of	Number of Pilots		Type Fuel Fuel Flow Rate		ate (scfm [70	(scfm [70°F & 14.7 psia]) per pilot	
	one		Propane		0.33			
For Stream Injection	ction Stream Pressure (ps		osig)	Tota	Total Stream Flow		. °F	Velocity (ft/sec)
	Min. Expec			Rate (<u>. </u>		
N/A								
	Number of J	Number of Jet Streams		Diameter of Steam Jets (inches)		injected	Design basis for steam injected (lb steam/lb hydrocarbon)	
For Water Injection N/A	Water Press Min.Expected	Water Pressure (psig) Min.Expected Design Max.		Total Water Flow Rate (gpm) Min. Expected Design Max.		n) No. Water		Diameter of Water Jets (inches)
140								
Flare Height (ft) 40				Flare tip inside diameter (ft) 0.333				
Capital Installed Cost \$ 50,000 Annual Operating Cost \$ 500								

Supply an assembly drawing, dimensioned and to scale, to show clearly the operation of the flare system. Show interior dimensions and features of the equipment necessary to calculate its performance. Also describe the type of ignition system and its method of operation. Provide an explanation of the control system for steam flow rate and other operating variables.

05/96

Attached



5854 IH 10 Alleyton, TX 78935 Phone: 979-732-8193 Fax: 979-732-2393

Toll Free: 888-732-2400

E-Mail: g_kazmir@tornadotech.com Web Site: www.tornadotech.com

Re: 4" x 40'-0" Tall Air Assist Flare Tornado Quotation No.: **0000-08-07-10**

REV. 2

DESIGN DATA (INERT CASE):

Design Flow Rate: 264 SCFM

Make up Gas (Propane) added to Waste Gas Stream to get the heating value up to 300 btu/scf

with the design flow rate of 264 scfm: 39.3 scfm

Waste Gas Composition: Inert Vapors

Mole Wt: 28.0134

Design Temperature: 100 Degrees F Allowable Pressure Drop: 2 PSI.

Pressure Drop across Flare and 4" OSSF Detonation Arrestor: 7.3" W.C.

DESCRIPTION OF FLARE

- > Self Supported Design (100 mph wind speed)
- > SA-36 Carbon Steel Base Plate with Gussets
- > Carbon Steel main Structure
- > 304 Stainless Steel Flare Tip Section Both for the Waste Gas Riser and the Air Annulus Tip
- ➤ 4"-150# RF Waste Gas Inlet Connection
- > Tornado's Standard 2 Coat Paint System (Top Coat Color: Gloss Black)
- > 1" x 2" Pilot Tracking System to raise and lower the pilot
- ➤ One (1) Dayton Blower 3 HP, 3 Phase, 60 HZ, Explosion Proof 230 Volt Motor (Blower C/W Manual Outlet Damper, and Inlet Screen) Motor Starter by Client

Note: This blower will be a single speed blower with a manual operated outlet damper that is adjusted according to the amount of air needed to give a clean burn.

Description of a TSI-6 TPMR-A Natural Gas Retractable Pilot System:

The Tornado TSI-6 natural gas Retractable pilot, C/W relight capabilities. The standard Tornado retractable pilot, model TSI-6 is manufactured to mount on the Tornado Flare Stack Tracking System. This allows you to raise and lower the pilot from grade level to the flare tip with a simple hoisting winch, saving you the expense of man lifts and or cranes, should your pilot ever need repair. This pilot will come with Fuel Hose and 16-4 SOW Electrical Cable. This pilot operates on a natural gas fuel supply of 12-15 psig and consumes approximately 20 scfh. (Extremely fuel-efficient compared to the other pilot systems on the market.) A Silicon Carbide nozzle assembly is mounted at the tip of the pilot with horizontal ports allowing fine blue flames to protrude into the waste gas stream. The Tornado Pilot Assembly consists of the following:

- Silicon Carbide Nozzle Assembly
- > 310 Stainless Steel Nozzle Mounting Plate and Nozzle Cage
- > 304 Stainless Steel, 2" Diameter Main Body Assembly (Ignitor Head)
- > 304 Stainless Steel, 3" Diameter Air Inlet Housing
- > 1/4" Fuel Gas Inlet
- > Internal Stainless Steel Tubing, Venturi and Mixer Assemblies

An Automatic Re-Light Package is mounted "piggyback" on this pilot system. The automatic re-light system consists of the following components:

- ✓ Flame Front Solenoid Valve
- ✓ NEMA 4 Transformer Enclosure
- ✓ NTK® Spark Transformer
- ✓ Tornado 4M4 Spark Electrode With Wire and Boot
- ✓ 1" Stainless Steel Flame Front Tube
- ✓ Stainless Steel Tubing with Air Intake Chamber, Orifice, and Venturi

The provided 14" flexible fuel hose will connect to the fuel gas inlet connection on the pilot and runs down to the base of the stack, connecting to a Regulator, provided by Tornado. The provided 16-4 SOW Cable runs from the Transformer mounted on the Pilot, to the junction box mounted at the base of the flare. Two of the wires in this cable serve as thermocouple wires and the remaining two serve as power for the solenoid and spark transformer. You as the client will supply the wiring from the Control Panel to the Junction Box mounted at the base of the flare.

A 110 Volt Pilot Control Panel is included to light and monitor the pilot. A Timer, temperature switch, relays, terminals, etc. are mounted inside a NEMA 4X, non-metallic enclosure, for "unclassified" electrical areas. The control panel monitors the pilot via a type "k" thermocouple mounted in the pilot nozzle. The system will attempt a relight sequence, should the pilot be extinguished, for a set time period. If the pilot fails to relight, a red pilot fail indicator will illuminate. The pilot control panel includes a power on/off switch, three-position selector switch (hand/off/auto), white power on lamp, a green pilot prove lamp, and a red pilot fail lamp.

DESCRIPTION OF THE DETONATION ARRESTOR

Tornado Technologies OSSF Sure Stop Detonation Arrestors are passive devices that have been designed to prevent the propagation of flame fronts back through transmission lines and piping configurations.

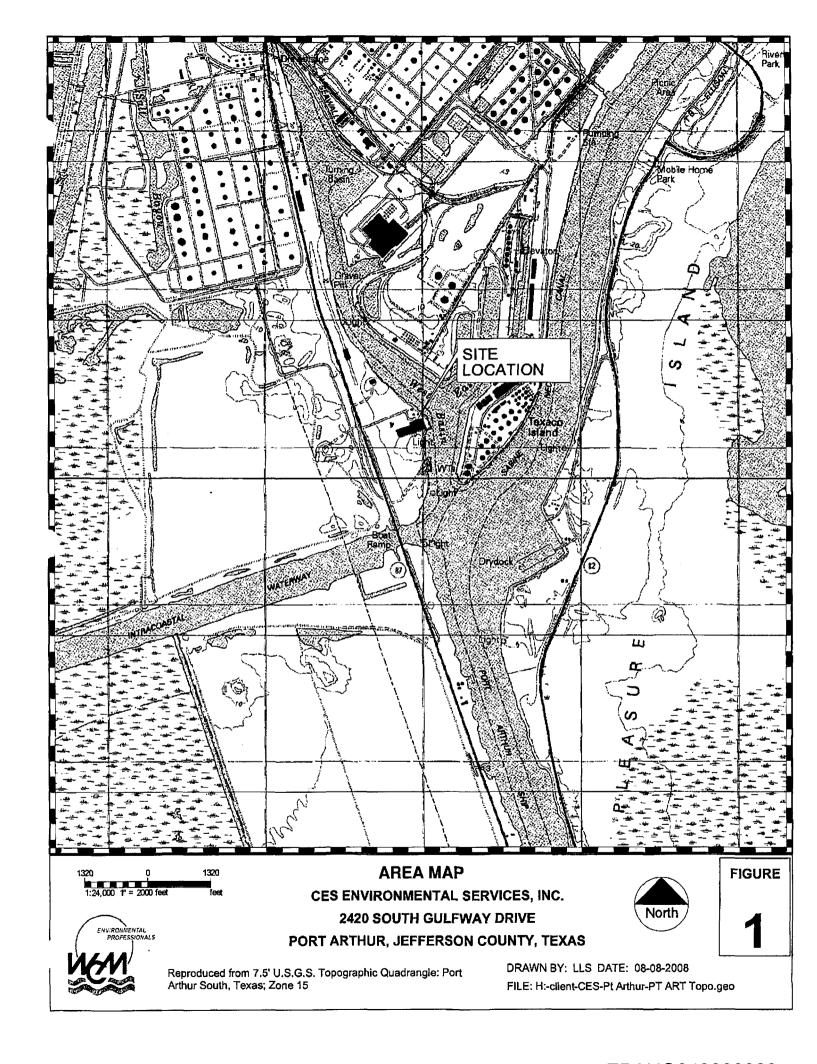
Tornado Detonation Arrestors (DA's) allow gas or vapor to pass through, but will stop dead even supersonic explosions. Our unique patented flame-quenching cell is unlike any in the industry.

Most DA manufacturers use conventional crimped-ribbon Flame Arrestor cells and simply stack multiple cells together. Tornado spent countless hours of research to develop a patented alumina ceramic media system. The oxidization and corrosion-proof beads act as a maze to the flame, allowing total protection and the longest continuous burn ratings in the industry.

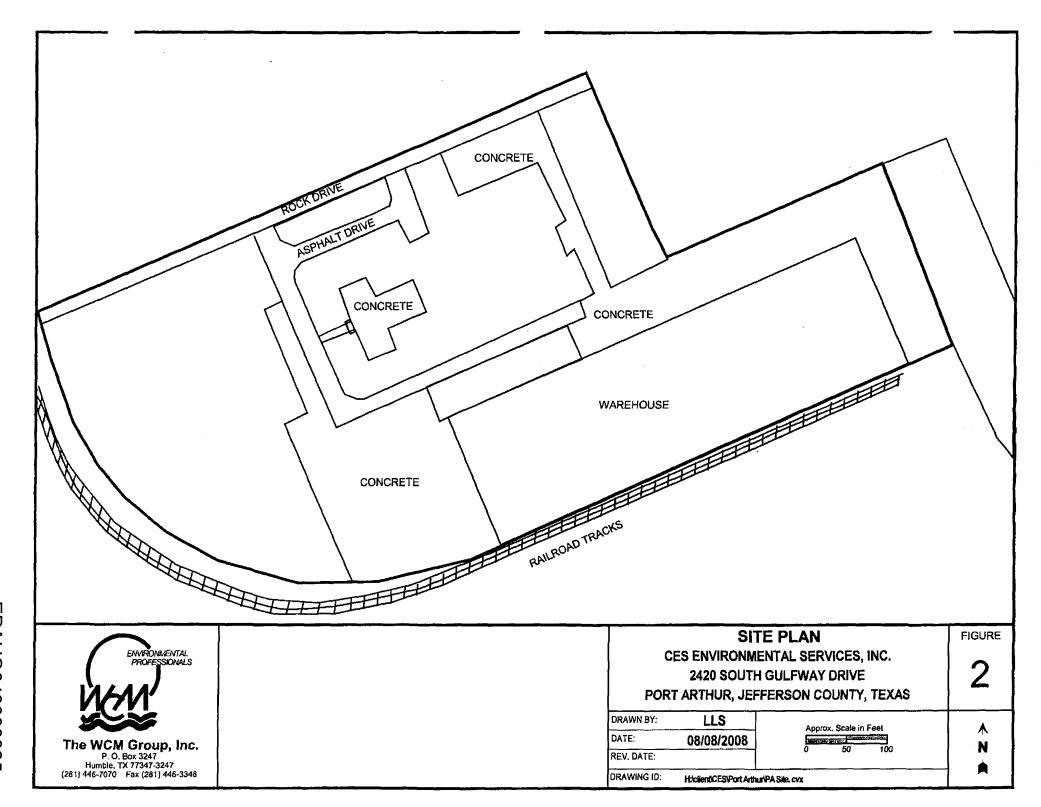
The 4" OSSF Detonation Arrestor will include the following features:

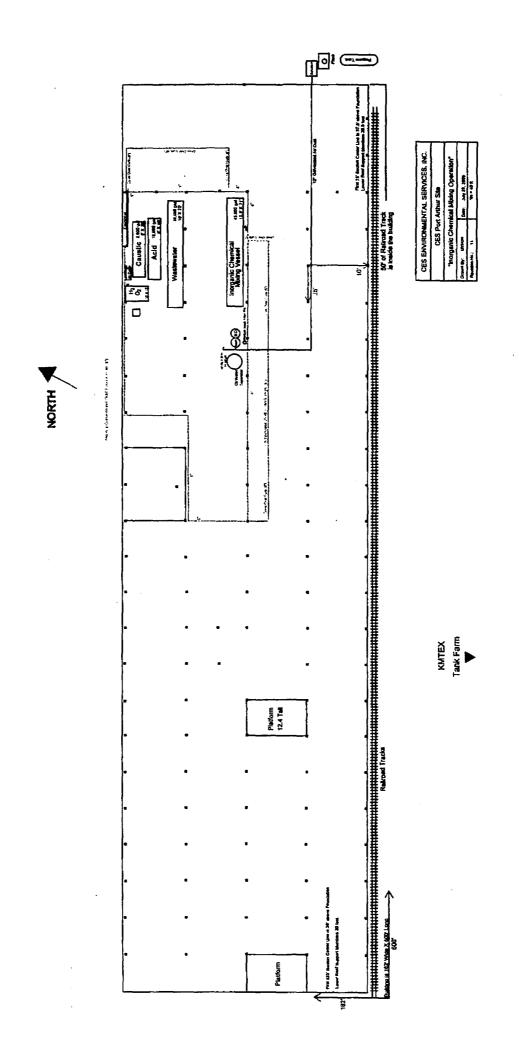
- Carbon Steel Flame Cell Housing
- 304 Stainless Steel Flame Cell Grids
- Alumina Ceramic Flame Quenching Media (Beads)
- Carbon Steel Threaded Couplings for Differential Pressure, Temperature Monitoring, Media Fill and Drain
- 4"-150LB Carbon Steel Raised Face Inlet/Outlet Connections (Bi-Directional)
- United States Coast Guard Accepted, **Type I Burn Endurance** Tested (2 Hour Burn Time)
- Meets and Exceeds CSA-Z343 Rev 12
- Gas Classifications: NEC Group C and D Gasses
- Removable Flame Cell, Cleanable to "As New" Condition if Performed by Tornado Technologies, Inc.

AREA MAP

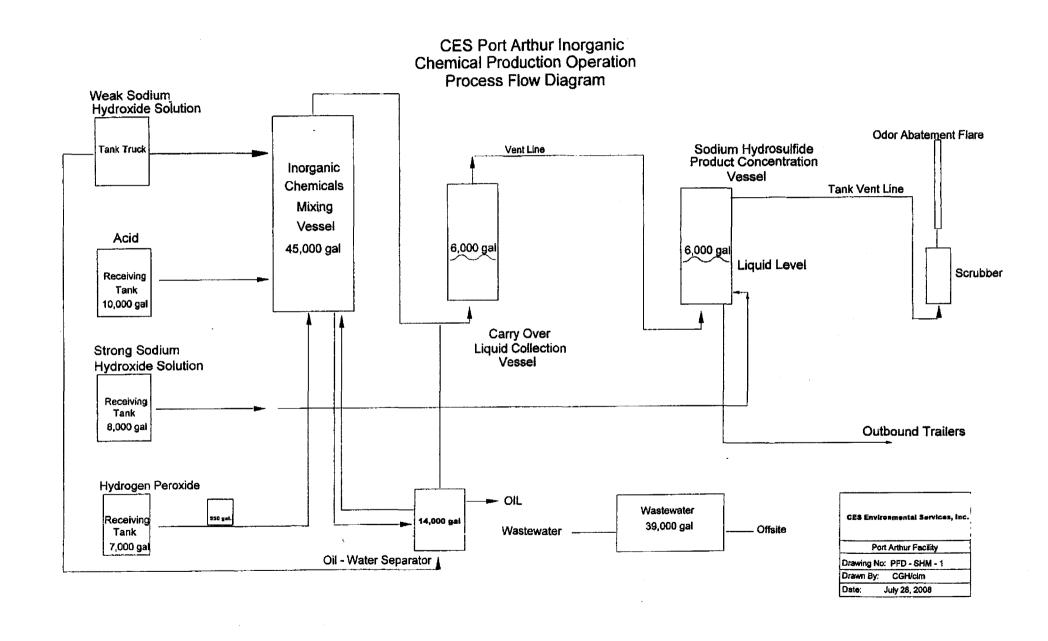


FACILITY SITE PLAN



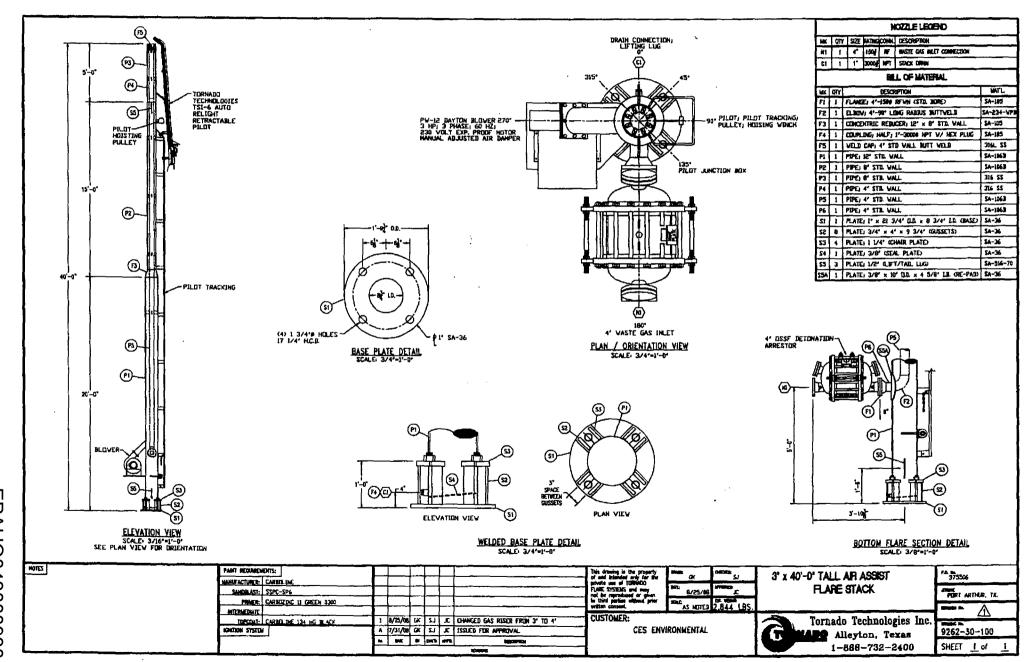


PROCESS FLOW DIAGRAM



TORNADO FLARE SCHEMATIC

أحرار مطالبها للمار مطارعها والرازان ويهيز المراوية ويعارط الطائط والمناطق والمناطقة والمتارك



والمجالة والمتحرف أوالي المناس منام والمجال والمجالين وأواهما والمناه والمتارين وراني مالاعتال المتناب والمتاري والمتاري والماري والمتاري المتار والمتار والمتار والمتار والمتار والمتار والمتار والمتار والمتار والمتار والمتار وال



5854 IH 10 Alleyton, TX 78935 Phone: 979-732-8193 Fax: 979-732-2393

Fax: 9/9-/32-2393 Toll Free: 888-732-2400

E-Mail: g_kazmir@tornadotech.com Web Site: www.tornadotech.com

Attention: Mr. Marlin Moser
Company: CES Environmental

Company: CES Environmenta Phone: 713-539-6574

Date: August 25, 2008

Re: 4" x 40'-0" Tall Air Assist Flare

Tornado Quotation No.: 0000-08-07-10

REV. 2

Page: 1 of 4

Mr. Marlin Moser,

Due to the increased waste gas flow, please see the revised price, changing the proposed flare from 3" x 40' tó 4" x 40'-0" tall. The Detonation Arrestor will change as well from a 3" to a 4" unit.

Email: mmoser@cesenvironmental.com

Tornado Technologies would like to say thank you for allowing us the opportunity to quote our product to you and CES Environmental.

Per your request, Tornado Technologies is offering its design of an Air Assist Flare to be of service in your upcoming application. This Flare will come with Tornado's TSI-6 Auto Relight Retractable Pilot and Tornado's 4" OSSF Detonation Arrestor.

Following will be a description, price, and delivery for this flare system.

DESIGN DATA (INERT CASE):

Design Flow Rate: 264 SCFM

Make up Gas (Propane) added to Waste Gas Stream to get the heating value up to 300 btu/scf

with the design flow rate of 264 scfm: 39.3 scfm

Waste Gas Composition: Inert Vapors

Mole Wt: 28.0134

Design Temperature: 100 Degrees F Allowable Pressure Drop: 2 PSI.

Pressure Drop across Flare and 4" OSSF Detonation Arrestor: 7.3" W.C.

DESIGN DATA (HIGH BTU CASE):

Design Flow Rate: 13.4 SCFM

Waste Gas Composition: (C10) Decane

Mole Wt: 142.285

Design Temperature: 100 Degrees F

Allowable Pressure Drop: 2 PSI.

Pressure Drop across Flare and 4" OSSF Detonation Arrestor: 0.6" W.C.

DESCRIPTION OF FLARE

- > Self Supported Design (100 mph wind speed)
- > SA-36 Carbon Steel Base Plate with Gussets
- > Carbon Steel main Structure
- ➤ 304 Stainless Steel Flare Tip Section Both for the Waste Gas Riser and the Air Annulus Tip
- > 4"-150# RF Waste Gas Inlet Connection
- > Tornado's Standard 2 Coat Paint System (Top Coat Color: Gloss Black)
- > 1" x 2" Pilot Tracking System to raise and lower the pilot
- ➢ One (1) Dayton Blower 3 HP, 3 Phase, 60 HZ, Explosion Proof 230 Volt Motor (Blower C/W Manual Outlet Damper, and Inlet Screen) Motor Starter by Client

Note: This blower will be a single speed blower with a manual operated outlet damper that is adjusted according to the amount of air needed to give a clean burn.

Description of a TSI-6 TPMR-A Natural Gas Retractable Pilot System:

The Tornado TSI-6 natural gas Retractable pilot, C/W relight capabilities. The standard Tornado retractable pilot, model TSI-6 is manufactured to mount on the Tornado Flare Stack Tracking System. This allows you to raise and lower the pilot from grade level to the flare tip with a simple hoisting winch, saving you the expense of man lifts and or cranes, should your pilot ever need repair. This pilot will come with Fuel Hose and 16-4 SOW Electrical Cable. This pilot operates on a natural gas fuel supply of 12-15 psig and consumes approximately 20 scfh. (Extremely fuel-efficient compared to the other pilot systems on the market.) A Silicon Carbide nozzle assembly is mounted at the tip of the pilot with horizontal ports allowing fine blue flames to protrude into the waste gas stream. The Tornado Pilot Assembly consists of the following:

- > Silicon Carbide Nozzle Assembly
- > 310 Stainless Steel Nozzle Mounting Plate and Nozzle Cage
- > 304 Stainless Steel, 2" Diameter Main Body Assembly (Ignitor Head)
- > 304 Stainless Steel, 3" Diameter Air Inlet Housing
- > 1/4" Fuel Gas Inlet
- > Internal Stainless Steel Tubing, Venturi and Mixer Assemblies

An Automatic Re-Light Package is mounted "piggyback" on this pilot system. The automatic re-light system consists of the following components:

- ✓ Flame Front Solenoid Valve
- ✓ NEMA 4 Transformer Enclosure
- ✓ NTK® Spark Transformer
- ✓ Tornado 4M4 Spark Electrode With Wire and Boot
- ✓ 1" Stainless Steel Flame Front Tube
- ✓ Stainless Steel Tubing with Air Intake Chamber, Orifice, and Venturi

The provided 14" flexible fuel hose will connect to the fuel gas inlet connection on the pilot and runs down to the base of the stack, connecting to a Regulator, provided by Tornado. The provided 16-4 SOW Cable runs from the Transformer mounted on the Pilot, to the junction box mounted at the base of the flare. Two of the wires in this cable serve as thermocouple wires and the remaining two serve as power for the solenoid and spark transformer. You as the client will supply the wiring from the Control Panel to the Junction Box mounted at the base of the flare.

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Tornado Detonation Arrestors (DA's) allow gas or vapor to pass through, but will stop dead even supersonic explosions. Our unique patented flame-quenching cell is unlike any in the industry.

Most DA manufacturers use conventional crimped-ribbon Flame Arrestor cells and simply stack multiple cells together. Tornado spent countless hours of research to develop a patented alumina ceramic media system. The oxidization and corrosion-proof beads act as a maze to the flame, allowing total protection and the longest continuous burn ratings in the industry.

The 4" OSSF Detonation Arrestor will include the following features:

- Carbon Steel Flame Cell Housing
- 304 Stainless Steel Flame Cell Grids
- Alumina Ceramic Flame Quenching Media (Beads)
- Carbon Steel Threaded Couplings for Differential Pressure, Temperature Monitoring, Media Fill and Drain
- 4"-150LB Carbon Steel Raised Face Inlet/Outlet Connections (Bi-Directional)
- United States Coast Guard Accepted, Type I Burn Endurance Tested (2 Hour Burn Time)
- Meets and Exceeds CSA-Z343 Rev 12
- Gas Classifications: NEC Group C and D Gasses
- Removable Flame Cell, Cleanable to "As New" Condition if Performed by Tornado Technologies, Inc.

PRICING:

Flare, Pilot, Control Panel, Blower, and 4" Detonation Arrestor as describe above: \$41,540.00 plus shipping

Price does not include any X-Ray or Special Testing

<u>DELIVERY:</u> 6 to 8 weeks after receiving a purchase order. If approval drawings are required, the delivery will be 6 to 8 weeks after receiving clients approval for fabrication.

PAYMENT TERMS:

- Terms of payment will be 100% net 30 days after invoicing
- 100% invoiced upon equipment ready for shipment
- Prices quoted are in U.S. Dollars
- Prices are quoted F.O.B. Tornado Technologies, Inc. yard, Alleyton Texas
- Prices do not include federal, state, or local taxes, excise, use, or other taxes.
- Cancellation charges will be 125% of charges incurred until written notification of cancellation is received.

Tornado Technologies warrants the Work against defective workmanship and /or materials, under normal and proper use, for a period of twelve (12) months. Warranty shall be replacement of defective part only; on-site labor and/or associated on-site costs to replace defective part are not covered under warranty. Sub-vendor Control parts (Eg. Instruments), purchased by Tornado, will only receive pass through warranty if warranty is deemed applicable by the original equipment manufacturer.

Tornado offers the very best in detonation protection. Please visit our website at the following address: www.tornadotech.com Thank you again for the opportunity to quote our product for your application. Please call if you have any questions or comments.

Thanks Marlin,

Gene Kazmir Tornado Technologies Inc.



December 8, 2008

Air Permits Initial Review Team (APIRT), MC161 Texas Commission on Environmental Quality 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 LONE STAR AIRBILL NUMBER <u>P2687565</u>

Reference:

Registration of Permits-By-Rule

Port Arthur Chemical & Environmental Services, LLC

2420 Highway 87 South

Port Arthur, Jefferson County, Texas

RN105156111

Dear Sir or Madam:

On behalf of Port Arthur Chemical & Environmental Services, please find enclosed documentation to authorize the processing of an aqueous feed stream to recover Naphthenic Acid under Permits-By-Rule §106.261 and §106.472. Check Number 41881 was previously sent to the Texas Commission on Environmental Quality for this submittal.

If you have questions regarding this registration, or require further information, please do not hesitate to contact Mr. Matt Bowman at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

PBE/tv 27286:5330020.lts.doc

Enclosure

CC:

M. Bowman

H. Ross – TCEQ Region 10

CES ENVIRONME	ENTAL 9	SERVICES, INC.			41881
TCEQ				12/3/2008	
Date Ty 12/3/2008 Bi	ype ill	Reference PI-7-CERT	Original Amt. 100.00	Balance Due Discount 100:00 Check Amount	Payment 100.00 100.00
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CES Environm	ental S	6 0803198H			100.00
565369 (5/08)					

PERMIT-BY-RULE AUTHORIZATION FOR NAPHTHENIC ACID PRODUCTION

Prepared for
PORT ARTHUR CHEMICAL &
ENVIRONMENTAL SERVICES, LLC
Port Arthur, Jefferson County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

December 2008

PERMIT-BY-RULE AUTHORIZATION FOR NAPHTHENIC ACID PRODUCTION

Prepared for PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES, LLC Port Arthur, Jefferson County, Texas

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2.0 EMISSIONS SUMMARY	2
3.0 PERMIT-BY-RULE APPLICABILITY	3

ATTACHMENTS

A - EMISSION CALCULATIONS

B - MATERIAL SAFETY DATA SHEETS

TCEQ FORMS

PI-7-CERT FORM

TCEQ §106.4 CHECKLIST

TCEQ §106.261 CHECKLIST

TCEQ §106.472 CHECKLIST

FIGURES

1 - AREA MAP

2 - FACILITY SITE PLAN

3 - PROCESS FLOW DIAGRAM

INTRODUCTION

Port Arthur Chemical & Environmental Services, LLC intends to construct and operate equipment for use in the production of Naphthenic Acid on a property located at 2420 Highway 87 South of Port Arthur in Jefferson County, Texas. The enclosed documentation is submitted to demonstrate Permit-By-Rule (PBR) authorization for the production equipment and associated emissions. Some supporting equipment in the project was previously authorized under PBR Registration No. 86173.

The production process involves the initial acidification of an aqueous feed stream composed of Naphthenic acid and dissolved sodium hydroxide and sodium sulfide salts. The neutralized mixture is settled and phase separated. The Naphthenic Acid is decanted to a tank trailer while the residual water and salts are transferred to the existing wastewater storage. Operational details are found in the Process Description section of this registration.

The facility is located in the Beaumont/Port Arthur ozone nonattainment area and will be classified as a minor source for emissions of Volatile Organic Compound (VOC) and Nitrogen Oxides (NO_X). The emissions associated with this project are calculated as less than 6.90 tons per year of VOC. Federal nonattainment and PSD program requirements do not apply.

A PI-7-CERT Form with Texas Commission on Environmental Quality (TCEQ) §106.4, §106.261, and §106.472 Checklists are provided in the Forms section of this report. Emission calculations are provided in Attachment A. The Figures section provides an Area Map, Facility Site Plan and Process Flow Diagram.

1.0 PROCESS DESCRIPTION

An aqueous feed stream composed of dissolved sodium salts (sodium sulfide, sodium hydroxide) and Naphthenic acid is delivered to the facility in tank trucks or isocontainers. The Naphthenic acid is a clear light yellow viscous liquid with low vapor pressure comprised of mixed molecular weights from 250 to 300 units. The initial boiling point of the Naphthenic Acid is over 300 degree Fahrenheit. The process is designed to extract the Naphthenic acid from the Naphthenic caustic solution.

The feed stream is batch transferred from the shipping container into a closed 17,500-gallon mix vessel (T11) using a tank-to-tank vapor exchange (vapor balance). Sulfuric acid is then added from an existing 8,000-gallon horizontal fixed roof tank (T4) to react with the caustic sodium salts.

The mixture is decanted to a separator tank (T12) where it is allowed to settle. Process wastewater solutions from the mix vessel (T11) and the separator tank (T12) are transferred to an existing 39,000-gallon wastewater tank (T8) for storage prior to off-site shipment. The Naphthenic acid is pumped to tank trucks or isocontainers for shipment off-site to the customer. The mix tank and the separator tank both vent to an existing abatement system composed of a caustic scrubber and flare (FL1) to control vapors. Emission from tank truck or isocontainer loading will also vent to the existing abatement system. Vapor balance may also be employed during loading to further minimize emissions.

The sulfuric acid tank, the wastewater tank and the abatement system were previously authorized under PBR Registration No. 86173.

2.0 EMISSIONS SUMMARY

Emissions associated with the project include those generated from storage, processing, and transfer operations, as well as from potential fugitive equipment and piping component leaks. Displacement losses from inbound material transfers are minimized using vapor balance.

Potential emissions of NO_X and CO from the existing flare were previously authorized by PBR Registration No. 86173. Therefore, the NO_X and CO emission shown in this project submittal do not represent an increase above the previous registered rates. The emissions of the residual uncombusted propane fuel are included with this submittal as they were inadvertently omitted in the previous flare registration.

Fugitive emissions from potential leaks at valves, pumps, connections and other equipment associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives.

The emissions increase associated with this project less than 6.90 tons per year of VOC. As a result, the project does not trigger nonattainment netting or PSD review.

3.0 PERMIT-BY-RULE APPLICABILITY

PROJECT CHEMICALS SUMMARY

CAS No.	Chemical	PBR		
8012-95-1	Naphthenic Acid	106.261		
1313-82-2	Sodium Sulfide 106.472			
1310-73-2	Sodium Hydroxide	106.472		
7664-93-9	Sulfuric Acid solution	106.472		

PROJECT EQUIPMENT SUMMARY

Status	FIN	Description	Project Use	PBR	Previous Registration Number
existing	T4	8,000-gal capacity horizontal tank	Sulfuric Acid Storage	1 106 472 (5)	
new	T11	17,500-gal capacity Vert Fixed Roof Tank	Mix Tank	106.261	Ņ/A
new	T12	17,500-gal capacity Vert Fixed Roof Tank	Separator Tank	106.261	N/A
existing	TTL	Tank Truck/Isocontainer loading/unloading	Material loading/unloading	106.261	N/A
existing	N/A	Caustic scrubber	Vent control N/A		86173
existing	FL1	Flare	Vent control	106.492	86173

ATTACHMENT A EMISSION CALCULATIONS

Port Arthur Chemical & Environmental Services, LLC Naphthenic Caustic Oil Process SUMMARY OF EMISSIONS AND PBR APPLICABILITY DOCUMENTATION

PBR 106.472

	Sto	age	Lo	oad	Total	
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Sodium Sulfide	0.0018	0.0001			0.0018	0.0001
Sodium Hydroxide	0.0061	0.0003			0.0061	0.0003
Water	0.0304	0.0021	0.0083	0.0006	0.0387	0.0027
Neutralization salts	0.0000	0.0000	0.0024	0.0002	0.0024	0.0002
Sulfuric Acid	0.0002	0.0000			0.0002	0.0000

PBR 106.492 Flare Combustion

NOX	0.3831	1.6781	
CO	0.7649	3.3501]
Propane	1.3843	6.0632]voc

PBR 106.261

	Storage	& Load	Fugi	tives	To		
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY]
Naphthenic Acid	0.0413	0.0027	0.1900	0.8322	0.2313	0.8349	voc

6.90 VOC Total

PBR Compliance

	Applicable	TLV	PBR A	llowable	PBR Compliance		
Chemical	PBR	mg/m^3	lb/hr	TPY	lb/hr	TPY	
Naphthenic Acid	106.261	N/A	1.0	4.4	YES	YES	
Propane	106.261	N/A	6.0	10.0	YES	YES	

Port Arthur Chemical & Environmental Services, LLC TANK EMISSION CALCULATIONS

	Tank ID: Material:	T11 Naphthenic Caustic	T4 Sulfuric Acid	T12 Naphthenic Acid
Annual Throughput, gal/yr	Q =	351,000	35,100	70,200
Max Hourly Transfer Rate, gal/hr	FR=	2,000	4,000	500
Emissions:		2,550	",,,,,	
Maximum Hourly Emissions, ib/hr	Lmax =	0.06146	0.00015	0.01536
Total Annual Emissions, TPY	Lt =	0.00310	0.00000	0.00189
Annual Average Hourly Emis, lb/hr	Lavg =	0.001	0.000	0.000
Standing loss, lb/yr	Ls =	0.125	0.001	2.571
Working loss, lb/yr	Lw =	6.073	0.000	1.215
Material Properties:				
Molecular Weight, Ib/lb-mole	Mv =	300.00	98.07	300.00
Vapor Pressure @ Tla, psia	Pva =	0.12	0.00	0.12
Vapor Pressure @ Tin, psia	Pvn =	0.10	0.00	0.10
Vapor Pressure @ Tix, psia	Pvx =	0.14	0.00	0.14
	Pvmax =	0.14	0.00	0.22
Max. Vapor Pressure @ mTix, psìa Tank Properties:	. VIIIIAA -	Ville	5.55	J,
	j	flare	none	flare
Vapor control device	e=	98	0	98
Vapor control efficiency, % [scrub + flare]	VBe =	0	Ö	0
Vapor Balance efficiency, tank filling	Cv =	15.039	8.460	15,039
Capacity volume, gal	D≃	8.0	6.0	8.0
Shell Diameter, ft	Hs=	40.0	40.0	40.0
Shell Height/Length, ft	H8 =	vert	horiz	horiz
Tank Orientation (vertical or horizontal)		cone	N/A	N/A
Roof type (cone or dome)		white	white	white
Tank Color (white, light gray, other)	a =	0.17	0.17	0.17
Solor absorbance factor	a= p Pbp≃	0.17	0.17	0.17
Pressure vent setting, psig		-0.3	l i l	a
Vacuum vent setting, psia	Pbv =		17.5	20.2
Effective diameter, ft	De =	8.0 20.0	3.0	4.0
Avg. Liquid Height, ft			6.0	8.0
Max. Liquid Height, ft	Hix =	40.0	0.00	0.00
Roof Outage, ft	Hro =	0.00	3.00	4.00
Vapor Space Outage, ft	Hvo =	20.00		
Vapor space volume, ft ³	Vv = [1005.31	720.37	1280.65
Operating Conditions (Houston, Tx):		_		
Atmospheric pressure, psia	Pa≔	14.7	14.7	14.7
Annual Avg. Daily solar insulation factor, Btu/ft^2 da	1 = 1	1351	1351	1351
Annual Avg. Daily max. ambient temp, R	Tax =	539.1	539.1	539.1
Annual Avg. Daily min. ambient temp, R	Tan =	517.4	517.4	517.4
Annual Avg. Daily vapor temp. range, R	^Tv =	22.1	22.1	22.1
Annual Daily avg. liquid surface temp, R	Tla =	530.1	530.1	530.1
Annual Avg. Daily min. liquid surface temp., R	Tin =	524.6	524.6	524.6
Annual Avg. Daily max. liquid surface temp., R	Tix =	535.6	535.6	535.6
Highest Month Daily solar insulation factor, Btu/ft^2	_ml =	1898	1898	1898
Highest Month Daily max. ambient temp, A	mTax =	553.6	553.6	553.6
Highest Month Daily min. ambient temp, R	mTan =	532.5	532.5	532.5
Highest Month Daily vapor temp. range, R	m^Tv =	24.2	24.2	24.2
Highest Month Daily max. liquid surface temp., R	mTix =	551.7	551.7	551.7
Gas Constant, psia-ft^3/lb mole-R	R=	10.73	10.73	10.73
Vapor Density, lb/ft ³	Wv=	0.006	0.000	0.006
Daily vapor pressure range, psia	^₽v≖	0.037	0.000	0.037
Vapor space expansion factor	Ke =	0.003	0.042	0.044
Vented vapor saturation factor	Ks =	0.886	1.000	0.975
Working Loss Product Factor	Kp≖	1.00	1.00	1.00
Turnovers	N =	23.34	4.15	4.67
Turnover factor	Kn =	1.00	1.00	1.00
Operating Days, days/yr	Days =	365	365	365

note: assume worst case by using 100% Naphthenic acid properties for the process tanks.

LOADING LOSS EMISSIONS

		T12	Load
	Material:	Naphthenic Acid	Wastewater
	EPN:	LDR-001	LDR-001
Annual Throughput, gal/yr	Th =	70,200	666,900
Max Hourly Fill Rate, gal/hr	FR =	500	4,000
Emissions:			
Maximum Hourly Emissions, lb/hr	=	0.0057	0.007979
Annual Emissions, TPY	LL =	0.0004	0.000586

Filling loss, lb/hr

LL = [(12.46 x ((S x VPa x MW) / Ta) / 1000) x Th x (c/100) x (1-e/100))] / 2000

Material Properties:			
Molecular Weight, lb/lb-mole	Mv =	300.00	18.47
Vapor Pressure @ Tlx, psia	Pvx =	0.14	0.40
Vapor Pressure @ Tla, psia	Pva =	0.12	0.34
Vapor control device		flare	none
Capture efficiency, %	C =	100	100
Vapor control efficiency, %	e =	98	98
Max Liquid Temp., R	Tlx =	551.67	551.67
Averag Liquid Temp., R	Tla =	530.08	530.08
Saturation Factor	S=	0.6	0.6

Loading Sum	TOTAL					
EPN	lb/hr	TPY				
LDR-001	0.01371	0.00798				

Speciation									
TOTAL									
lb/hr	TPY								
0.0029	0.0002								
0.0083	0.0006								
0.0024	0.0002								
	Ib/hr 0.0029 0.0083								

II = [(12.46 x ((S x VPx x MW) / Tx) / 1000) x FR x (c/100) x (1-e/100))] Loading loss, TPY

Port Arthur Chemical & Environmental Services, LLC FUGITIVE EMISSION ESTIMATES

MATERIAL	FIN	VP (psia)	Liquid wt frac.	Stream Type LL.HL.G/V	Valves	lbs/hr	Flanges	lbs/hr	Gas/Vapo	r lbs/hr	Pumps	lbs/hr	Total	EMISS (lb/hr)	SIONS (ton/yr)
Naphthenic Acid	T11	0.72861	1.0000	LL	20	0.07	50	0.025	2	0.0178	2	0.0772	0.1900	0.1900	0.8322

	Tota	ıl
Speciation	lb/hr	TPY
Naphthenic Acid	0.1900	0.8322

Monitoring is performed in accordance with TCEQ AVO.

SOCMI Factors	: Valves	Flanges	:G/V:VIV	GAV Fing	Pumps	Relief VIV	Agitator
Light Liquid (LL)	0.0035	0.0005			0.0386		0.0005
Gas / Vapor (G/V)			0.0089	0.0029		0.2293	
Heavy Liquid (HL)	0.0007	0.00007			0.0161	-	0.00007

^{*} Per TCEQ guidance, fugitive emissions are not estimated for materials with vapor pressure < 0.002 psia.

Port Arthur Chemical & Environmental Services, LLC Flare Combustion Calculation

COMBUSTION

132	112.35 0.33		19.65	scfm	
	vent gas	pilot gas	Propane		
			8.66	ft3/lb	
heat	0	2,316	2,316	Btu/scf	
flow	6,741	20	1,179	scf/hr	
rate	59,051,160	173,448	10,328,040	scf/year	

	Factor lb/MMBtu	NOx TPY	NOx lb/hr	Factor lb/MMBtu	CO TPY	CO lb/hr	VOC (propane)TPY	VOC (propane) lb/hr
Vent Gas	0.1380	0.000	0.000	0.2755	0.000	0.000	0.000	0.000
Pilot Gas	0.1380	0.028	0.006	0.2755	0.055	0.013	0.100	0.023
Supplemental Gas	0.1380	1.650	0.377	0.2755	3.295	0.752	5.963	1.361
Total	N/A	1.678	0.383	N/A	3.350	0.765	6.063	1.384

Flare Destruction/Removal Efficiency and Emission Factors are based on TCEQ Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers: RG-109 October 2000 for high Btu non-steam assisted flares.

Pilot Gas Sample calculation:

NOx ton/yr: (2,316 Btu/lb) * (173,448 lb/MMBtu) / 1000000 * (0.1380 lb/yr) / 2000 = 0.028 tpy

NOx lb/hr: (2,316 Btu/lb) * (20 lb/MMBtu) / 1000000 * (0.1380 lb/yr) = 0.006 lb/hr

Propane Sample Calculation:

Propane ton/yr (10,328,040 cf/hr) / (8.66 cf/lb) * (100 - 99)/ 100 / 2000 = $5.963 \, \text{TPY}$

Propane lb/hr (1,179 cf/hr) / (8.66 cf/lb) * (100 - 99) / 100 = 1.361 lb/hr

³TCEQ Technical Flare Guidance states in Table 4 Flare Factors - PM emission factor is none.

Storage Tanks

Tank ID	TYPE FXR or IFR	Orientation vert./horiz.	Roof Type cone/dome	Shell Color	Solar Absorptance factor	Shell Diameter (ft)	Shell Height/Length (ft)	Calculated Capacity (gal)	Fill/Withdraw Rate (gal/hr)	Batch 4,500 gallons	Annual Rate gal /year		
T11	FXR	vert	cone	white	0.17	8	40 ·	15,039	4,000	4,500	702,000	T11	_Naphthenic Caustic
T 4	FXR	horiz	N/A	white	0.17	6	40	8,460	4,000	225	35,100	T4	_Sulfuric Acid
T12	FXR	horiz	N/A	white	0.17	8	40	15,039	500	450	70,200	T12	_Naphthenic Acid
Load	FXR	horiz	N/A	white	0.17	10	70	41,123	4,000	4,275	666,900	Load	Wastewater
	· ·									batch per vear	156		

note: 3 batch per week, 52 weeks per year

Port Arthur Chemical & Environmental Services, LLC Naphthenic Caustic Oil Process

				STORAGE					STORAGE	•			
Material				1		ANNUAL				MA	XIMUM HOUF	ILY	
Naphthenic Caustic	MW Antoine Constants	Density Conc.	Liquid Liquid	Avg. Part.	Min. Part.	Max, A Part.	vapor	vapor	Avg. Part.	Min. Part.	Max. A Part.	vapor	vapor
Constituents	(lb/lb mole) A B C	(lb/gal) wt %	moles mole fra	press.	press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt. frac.
Naphthenic Acid	300 7.11 1563.28 247.06		0.1667 0.0664		0.0210	0.0286	21.3776	0.5612	 -		0.0436	21.378	0.5612
Sodium Sulfide	78 0 9999 1	11 3.00	0.0384 0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	-		0.0000	0.000	0.0000
Sodium Hydroxide	40 0 9999 1	18.09 10.00	0.2500 0.0996		0.0000	0.0000	0.0000	0.0000	ļ		0.0000	0.000	0.0000
Water	18 6.93897 1326.48 214.31	8.34 37.00	2.0556 0.8187		0.2697	0.3780	16.7173	0.4388			0.6001	16.717	0.4388
		100.0	2.5 1.0		0.3	0.4	38.1	1.0	0.0	0.0	0.6	38.1	1.0
		Total	Total Total	il Pva	Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total
				1		ANNUAL			[KIMUM HOUF		- 1
0	MW Antoine Constants	Density Conc.	Liquid Liquid	Avg. Part.		Max, A Part.	vapor	vapor			Max. A Part.	vapor	vapor
Constituents	(lb/lb mole) A B C	(lb/gal) wt %	moles mole fra	F	press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt. frac.
Sulfuric Acid	98.07 10.468 4145.84 273.15	15.27 100	1.0197 1.0000		0.0000	0.0000	98.0700	1.0000	<u> </u>	-	0.0000	98.070	1.0000
		100	1.0197 1.0000		0.0000	0.0000	98.0700	1.0000	0.0000	0.0000	0.0000	98.070	1.0000
		Total	Total Total	l Pva	Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total
						ANNUAL							
Hold Tank	MW Antoine Constants	Density Conc.	Liquid Liquid	Avg. Part.	Min. Part.				Avg. Part,		(IMUM HOUR Max. A Part.		
Constituents	(lb/lb mole) A B C	(lb/gal) wt %	moles mole frac		press.	press.	vapor wt.	vapor wt. frac.	press.		press.	vapor wt.	vapor wt. frac.
Naphthenic Acid	300 7.11 1563.28 247.06	8.2 50.00	0.1667 0.0566		0.0179	0.0244	16.1181	0.4862	press.	press.	0.0372	16.118	0.4862
Water	18 6.93897 1326.48 214.31	8.34 50.00	2.7778 0.9434		0.3108	0.4355	17.0329	0.4602	<u>. </u>		0.6914	17.033	0.5138
774.5.	10 0.00007 1020.40 2.14.01	100.0	2.94444 1.0000		0.32868	0.45989	33.15100	1,00000	0,00000	0.00000	0.72861	33.15100	1.00000
		Total	Total Total		Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total
			10.4.	· <u>, , , , -</u>			1777						
use for worst case			LOAD										
T11						ANNUAL				MAX	NUM HOUR	LY	
T12	MW Antoine Constants	Density Conc.	Liquid Liquid	Avg. Part.	Min. Part.	Max, A Part.	vapor	vapor	Avg. Part.	Min. Part.	Max. A Part.	vapor	vapor
Constituents	(lb/lb mole) A B C	(lb/gal) wt %	moles mole frac	press.	press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt. frac.
Naphthenic Acid	300 7.11 1563.3 247.1	8.2 100.00	0.3333 0.3269	0.1211	0.1037	0.1409	300.0000	3.0590			0.2151	300.000	3.0590
		100	0.3333 0.3269	0.1211	0.1037	0.1409	300.0000	3.0590	0.0000	0.0000	0.2151	300.000	3.0590
		Total	Total Total	l Pva	Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total
						ANNUAL.					IMUM HOUR		E
Wastewater	MW Antoine Constants	Density Conc.	Liquid Liquid			Max. A Part.	vapor	vapor	Avg. Part.		Max. A Part.	vapor	vapor
Constituents	(lb/lb mole) A B C	(lb/gal) wt %	moles mole frac		press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt, frac.
Neutralization salts	50 0 9999 1	12.72 30.00	0.6000 0.1368	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.000	0.0000
Naphthenic Acid	300 7.11 1563.3 247.1	8.2 2.00	0.0067 0.0015	0.0006	0.0005	0.0007	0.5011	0.0271		••	0.0010	0.501	0.0271
Water	18 6.93897 1326,48 214,31	8.34 68.00	3.7778 0.8616	0.3367	0.2838	0.3978	17.9699	0.9729	0.0000	0.0000	0.6315	17.970	0.9729
		100.00	4.3844 1.0000	0.3373	0.2843	0.3984	18.4710 Mv	1.0000 Total	0.0000 Pva	0.0000	0.6325	18.471 Mv	1.0000 Total
		Total	Total Total	Pva	Pvn	Pvx	IVIV	iotai	PVa	Pvn	Pvx	IVIV	i otali

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ATTACHMENT B MATERIAL SAFETY DATA SHEETS

Naphthenic Acid Material Safety Data Sheet

Section	<u>Title</u>	Section	<u>Title</u>
1 -	Company and Product Identification	9 -	Physical and Chemical Properties
2	Composition, Information on Ingredients	10 -	Stability and Reactivity
3 -	Hazards Identification	11 -	Toxicological Information
4	First Aid Measures	12 -	Ecological Information
5 -	Fire Fighting Measures	13 -	Disposal Considerations
6 -	Accidental Release Measures	14 -	Transport Information
7 -	Handling and Storage	15 -	Regulatory Information
8	Exposure Controls and Personal Protection	16	Other Information

SECTION 1. Company and Product Identification

1.1 MSDS Name:

Naphthenic Acid

Chemical Name:

Naphthenic Acid

Synonyms:

Sunaptic Acid B and Sunaptic Acid C

Chemical Formula:

RCOOH.

Molecular Weight:

200-350-Mixture

CAS Number:

1338-24-5

EINECS Number:

215-662-8

1.2 Supplier:

Port Arthur Chemical & Environmental Services, LLC

2420 South Gulfway Drive

Port Arthur, TX 77640

713-416-4160

1.4 Emergency Contact:

Bo Cumberland 713-416-4160

CHEMTREC 800-424-9300

SECTION 2. Composition and Information on Ingredients

2.1 Chemical Ingredients (% by wt):

CAS#	Chemical Name	Percent	EINECS / ELINCS
1338-24-5	Napthenic Acid	ca. 100	215-662-8

Material Safety Data Sheet

SECTION 3. Hazards Identification

3.1 Appearance: Clear Light Yellow Viscous Liquid.

Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

Target Organs: No data found.

3.2 Eyes: May cause eye irritation.

3.4 Skin: May cause skin irritation.

- **3.5 Ingestion:** May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.
- **3.6 Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
- **3.7 Chronic:** No information found.

SECTION 4. First Aid Measures

- **4.1** Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- **4.2 Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- 4.3 Ingestion: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.
- **4.4 Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
- **4.5 Notes to Physician:** Treat symptomatically and supportively.

Material Safety Data Sheet

SECTION 5. Fire Fighting Measures

- **5.1 General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protection gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.
- **5.2 Extinguishing Media:** Water may be ineffective. Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

5.3 Flash Point: 149 deg C (300.20 deg F)

5.4 Auto-ignition Temperature: Not Applicable

5.5 Exposure Limits, Lower: 1%

5.6 Upper: Not Available

5.7 NFPA Rating: (estimated) Health:0; Flammability:0; Instability: 0

SECTION 6. Accidental Release Measures

- **6.1 General Information:** Use proper personal protective equipment as indicated in Section 8 (below).
- **6.2 Spills and Leaks:** Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do NOT use combustible materials such as sawdust. Provide ventilation.

SECTION 7. Handling and Storage

- **7.1 Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
- **7.2 Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Material Safety Data Sheet

SECTION 8. Exposure Controls and Personal Protection

8.1 Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

8.2 Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Napthenic Acid	None Listed	None Listed	None Listed

- **8.3 OSHA Vacated PELs:** Napthenic Acid: No OSHA Vacated PELs are listed for this chemical.
- 8.4 Personal Protection Equipment:
 - Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
 - **Skin:** Wear appropriate protective gloves to prevent skin exposure.
 - Clothing: Wear appropriate protective clothing to prevent skin exposure.
 - Respirators: A respiratory protection program that meets OSHA'S 29 CFR 1910.134 and ANSIZ88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

SECTION 9. Physical and Chemical Properties

9.1 Physical State: Viscous Liquid

9.2 Appearance: Clear Light Yellow

9.3 Odor: None Reported

9.4 pH: Not Available

9.5 Vapor Pressure: Very Low

9.6 Vapor Density: Not Available

9.7 Evaporation Rate: Not Available

Naphthenic Acid Material Safety Data Sheet

SECTION 9. Physical and Chemical Properties CONTINUED

9.8 Viscosity: 25 deg C ST

9.9 Boiling Point: 160.0 - 198.0 deg C @ 6.00mm

9.10 Freezing and Melting Point: Not Available

9.11 Decomposition Temperature: Not Available

9.12 Solubility: Not Available

9.13 Specific Gravity and Density: 0.982 g/cm3

9.14 Molecular Formula: Not Applicable

9.15 Molecular Weight: Not Available

SECTION 10. Stability and Reactivity

10.1 Chemical Stability: Stable under normal temperatures and pressures.

10.2 Conditions to Avoid: Incompatible materials, strong oxidants.

10.3 Incompatibilities with Other Materials: Metals, strong oxidizing agents.

10.4 Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

10.5 Hazardous Polymerization: Has not been reported.

SECTION 11. Toxicological Information

11.1 RTECS #:

11.2 CAS #: 1338-24-5: QK8750000

11.3 LD50 AND LC50:

11.4 Oral: Rat: LD50 = 3gm/kg

11.5 Carcinogenicity: CAS# 1338-24-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Material Safety Data Sheet

SECTION 11. Toxicological Information CONTINUED

11.6 Epidemiology: No information found

11.7 Teratogenicity: No information found

11.8 Reproductive Effects: No information found

11.9 Mutagenicity: No information found

11.10 Neurotoxicity: No information found

SECTION 12. Ecological Information

No Information Available

SECTION 13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series:

None Listed

RCRA U-Series:

SECTION 14. Transportation Information

	U.S. DOT	Canada TDG
Shipping Name:	Not Regulated as a Hazardous Material	No Information Available
Hazard Class:		
UN Number:	9137	
Packing Group:		

SECTION 15. Regulatory Information

U.S. Federal

- **15.1 TSCA:** CAS# 1338-24-5 is listed on the TSCA inventory.
- **15.2 Health and Safety Reporting List:** None of the chemicals are on the Health & Safety Reporting List.

Material Safety Data Sheet

SECTION 15. Regulatory Information CONTINUED

- **15.3 Chemical Test Rules:** None of the chemicals in this product are under a Chemical Test Rule.
- **15.4 Section 12b:** None of the chemicals are listed under TSCA Section 12b.
- **15.5 TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.
- 15.6 CERCLA Hazardous Substances and Corresponding RQs: CAS# 1338-24-5: 100 lb final RQ; 45.4 kg final RQ.
- **15.7 SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a TPQ.
- **15.8 Section 313:** No chemicals are reported under Section 313.
- 15.9 Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depeletors.
- **15.10 Clean Water Act:** CAS# 1338-24-5 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as toxic Pollutants under the CWA.
- **15.11 OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.
- **15.12 State:** CAS# 1338-24-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.
- **15.13 California Prop 65:** California No Significant Risk Level: None of the chemical in this product are listed.
- **15.14 European / International Regulations:** European Labeling in Accordance with EC Directives.
- 15.15 Hazard Symbols: Not Available
- 15.16 Risk Phrases:
- 15.17 Safety Phrases: S 24/25 Avoid contact with skin and eyes.

Material Safety Data Sheet

SECTION 15. Regulatory Information CONTINUED

15.18 WGK (Water Danger/Protection): CAS# 1338-24-5: 1

15.19 Canada - DSL/NDSL: CAS# 1338-24-5 is listed on Canada's DSL List.

15.20 Canada – WHMIS: Not Available. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

15.21 Canadian Ingredient Disclosure List: No Information Listed

SECTION 16. Additional Information

MSDS Creation Date: November 7, 2008

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSAREY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE THE MATERIAL SAFETY DATA SHEET PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.

Material Safety Data Sheet

WEAK Naphthenic CAUSTIC

SOLUTION

SECTION 1 - Chemical Product and Company Identification

SECTION 2 - Composition, Information on Ingredients

SECTION 3 - Hazards Identification

SECTION 4 - First Aid Measures

SECTION 5 - Fire Fighting Measures

SECTION 6 - Accidental Release Measures

SECTION 7 - Handling and Storage

SECTION 8 - Exposure Controls and Personal Protection

SECTION 9 - Physical and Chemical Properties

SECTION 10 - Stability and Reactivity

SECTION 11 - Toxicological Information

SECTION 12 - Ecological Information

SECTION 13 - Disposal Considerations

SECTION 14 - Transport Information

SECTION 15 - Regulatory Information

SECTION 16 - Other Information

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

1.1 Product Name

Naphthenic Caustic Solution

Chemical Family

Inorganic Salt Solution

Formula

NA (mixture)

1.2 Manufacturer/Source

Port Arthur Chemical & Environmental Services, LLC.

2420 S. Gulfway Dr Port Arthur, TX 77640

713-416-4160

1.3 Emergency Contact

Bo Cumberland 713-416-4160

CHEMTREC 800-424-9300

SECTION 2 - COMPOSITION and INFORMATION ON INGREDIENTS

2.1 Chemical Ingredients (% by wt)

Typical Analysis

Sodium Sulfide (Na2S)

CAS#: 1313-82-2

0 – 4%

Sodium Hydroxide (NaOH)

CAS#: 1310-73-2

0 - 11%

Naphthenic Acid

0-5%

Water

remaining %

MSDS Weak Caustic Solution

SECTION 3 - HAZARDS IDENTIFICATION

NFPA:

Health - 3

Flammability - 0

Reactivity - 1

EMERGENCY OVERVIEW

Warning: Solution is highly alkaline.

May evolve small amounts of hydrogen sulfide, a highly toxic gas. EYE contact will cause marked eye irritation and possible corneal damage. SKIN contact will result in irritation and possible corrosion of the skin. INGESTION will irritate and burn the mouth, throat and the gastrointestinal tract; contact with stomach acid will cause hydrogen sulfide vapors to be released. HEATING or ACID contact will cause hydrogen sulfide gas to evolve.

3.1 POTENTIAL HEALTH EFFECTS

EYE: Contact with the eyes will cause marked eye irritation and possibly severe corneal damage.

SKIN CONTACT: Contact with the skin will cause skin irritation or a burning sensation. Prolonged contact will result in corrosion of the skin.

SKIN ABSORPTION: Absorption is unlikely to occur.

INGESTION: Ingestion will result in severe burning and corrosion of mouth, throat and the gastrointestinal tract. If the ingested material contacts stomach acid, highly toxic hydrogen sulfide gas will be evolved.

INHALATION: Product solution and vapors may contain a small amount of hydrogen sulfide gas in ppm. Exposure to this gas causes headaches, nausea, dizziness and continued exposure can lead to loss of consciousness and death.

CHRONIC EFFECTS – CARCINOGENICITY: Not listed as a carcinogen by NTP, IARC or OSHA.

SECTION 4 - FIRST AID MEASURES

- 4.1 **EYES:** Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye. Obtain immediate medication.
- 4.2 **SKIN:** Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain immediate medical attention.
- 4.3 **INGESTION:** DO NOT INDUCE VOMITING. If victim is conscious, immediately give 2 to 4 glasses of water. If vomiting does occur, repeat fluid administration. Obtain immediate medical attention.
- 4.4 **INHALATION:** Remove victim form contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start mouth to mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain immediate medical attention.

MSDS Weak Caustic Solution

SECTION 5 - FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

FLASH POINT: Not Flammable METHOD USED: NA

5.2 FLAMMABLE LIMITS: Hydrogen Sulfide LFL: 4% UFL: 44%

- 5.3 EXTINGUISHING MEDIA: Water spray or foam or as appropriate for combustion involved in fire.
- 5.4 FIRE and EXPLOSIVE HAZARDS: Solution is non-flammable. However if these solutions are exposed to heat or acids, hydrogen sulfide will be released and may form explosive mixtures with air (see above). Keep containers and/or storage vessels in fire area cooled with water spray. Heating may cause the release of some hydrogen sulfide vapors.
- 5.5 FIRE FIGHTING EQUIPMENT: Because of the possible presence of toxic gases and the corrosive nature of the product, wear self-contained breathing apparatus, positive pressure, MSHA / NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTIAL RELEASE MEASURES

- 6.1 SMALL RELEASES: Isolate for 75 feet. Confine area to qualified response personnel. Wear proper Personnel Protective equipment (See Section 8). Confine release material by berming or diverting its path Absorb on sand, earth or other inert dry absorbent. Do not allow into sewer, storm drains or any waterway. Oxidize residual reactive sulfides with a weak (3-5%) hydrogen peroxide solution to stop the release of any hydrogen sulfide. Remove contaminated soil and dispose of in accordance with all governmental regulations.
- 5.2 LARGE RELEASES: Activate Emergency Response Plan procedures. Isolate release area for 500 feet. Confine area to qualified response personnel. Wear proper Personnel Protective Equipment (See Section 8). Shut off release, if safe to do so. Dike spill area to prevent runoff into sewers, drains, or surface waterways.
 Treat remaining material as a small release (See 6.1).

SECTION 7 - HANDLING and STORAGE

- 7.1 HANDLING: Wear proper protective equipment (See Section 8). Avoid breathing product vapors. Avoid contact with skin and eyes. Use only in a well ventilated area. Dilute product only in enclosed containers. Wash thoroughly after handling.
- 7.2 STORAGE: Store in well ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame.

MSDS Weak Caustic Solution

SECTION 8 - EXPOSURE CONTROLS and PERSONAL PROTECTION

- 8.1 RESPIRATORY PROTECTION: If working near open container or storage vessel opening or open tank truck dome cover, have available self-contained breathing apparatus, positive pressure, MSHA / NIOSH (approved or equivalent), or respirator. Normally, this caustic has a low concentration of sulfides below 10000 ppm, in solution which may not require the use of a respirator.
- 8.2 SKIN PROTECTION: Neoprene rubber gloves, pvc rain suit and boots can be worn to prevent contact with the liquid. Wash contaminated clothing prior to reuse. Contaminated leather shoes cannot be cleaned and should be discarded.
- 8.3 EYE PROTECTION: Chemical goggles and a full face shield.

8.4 EXPOSURE GUIDELINES:

OSHA

ACGIH

TWA STEL

TLV STEL

Hydrogen Sulfide

20 ppm (ceiling)

10 ppm (ceiling)

8.5 ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors. Where feasible scrub process or storage vessel vapors with caustic solution. Maintain eye wash safety shower in areas where chemical is handled.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

- 9.1 APPEARANCE: Light to dark brown to green or red liquid.
- 9.2 ODOR: Possibly hydrogen sulfide (rotten egg) odor.
- 9.3 BOILING POINT: Not Determined
- 9.4 VAPOR PRESSURE: Not Determined
- 9.5 VAPOR DENSITY: (Air = 1.0) 1.17
- 9.6 SOLUBILITY IN WATER: Complete
- 9.7 SPECIFIC GRAVITY: 1.03 1.3 (8.59 10.83 lbs/gal)
- 9.8 pH: 11.5 13.5
- 9.9 VOLATILE: Not Determined

SECTION 10 - STABILITY and REACTIVITY

- 10.1 STABILITY: This is a stable material.
- 10.2 HAZARDOUS POLYMERIZATION: Will not occur.
- 10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Heating product may evolve H2S gas. Fire conditions will cause the production of sulfur dioxide. Hydrogen sulfide (4 44%) may form flammable mixtures with air.

MSDS Weak Caustic Solution

10.4 INCOMPATIBILITY: Acids will cause the release of highly toxic hydrogen sulfide. Sulfidic caustic solution is not compatible with copper, zinc, aluminum or their alloys (i.e. bronze, brass, galvanized metals, etc.).
(See Section 7.2 Storage)

SECTION 11 - TOXICOLOGICAL INFORMATION

- 11.1 ORAL: Data not available.
- 11.2 DERMAL: Data not available.
- 11.3 INHALATION: INH-RAT LC 50: 444 ppm (hydrogen sulfide)
- 11.4 CHRONIC and CARCINOGENICITY: No evidence available.
- 11.5 TERATOLOGY: Data not available.
- 11.6 REPRODUCTION: Data not available.
- 11.7 MUTAGENICITY: Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

None Available

SECTION 13 - DISPOSAL CONSIDERATIONS

If released to the environment for other than its intended purpose, this product contains some reactive sulfides but not a sufficient quantity to meet the definition of a D003, hazardous waste. The pH may be high enough to meet the definition of a corrosive waste, D002.

SECTION 14 - TRANSPORT INFORMATION

- 14.1 DOT SHIPPING NAME: Corrosive liquids, n.o.s.
- 14.2 DOT HAZARD CLASS: 8
- 14.3 UN/NA NUMBER: UN1760
- 14.4 PACKING GROUP: II
- 14.5 DOT PLACARD: Corrosive
- 14.6 DOT LABLE(s): Corrosive
- 14.7 IMO SHIPPING NAME: Sodium Hydroxide Solution
- 14.8 RQ (REPORTABLE QUANTITY): 1,000 lbs (454 Kg) 100% basis (Approx. 538 gals)
- 14.9 USCG BARGE CERTIFICATION: SSH (sodium sulfide, hydrosulfide solutions, H2S 15 ppm or less). SSI (sodium sulfide, hydrosulfide solutions, H2S greater than 15 ppm but less than 200 ppm).

MSDS Weak Caustic Solution

SECTION 15 - REGULATORY INFORMATION

- 15.1 OSHA: This product is listed as a hazardous material under criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- 15.2 SARA TITLE III. a. EHS (Extremely Hazardous Substance) List:
 - b. Sections 311 and 312 (Tier I, II) Categories:

Immediate (acute)

Yes

Fire

No

Sudden Release

Delayed (chronic)

No

Reactivity

Yes No

- c. Section 313 (Toxic Release Report-Form R): No
- d. TPQ (Threshold Planning Quantity): No
- 15.3 CERCLA and SUPERFUND: RQ (Reportable Quantity) 1,000 lbs
- 15.4 TSCA (Toxic Substance Control Act) Inventory List: Yes
- 15.5 RCRA (Resource Conservation and Recovery Act) Status: No
- 15.6 WHMIS (Canada) Hazard Classification: E, D1
- 15.7 DOT HAZARDOUS MATERIAL: (See Section 14) Yes
- 15.8 CAA HAZARDOUS AIR POLLUTANT (HAP): No

SECTION 16 - OTHER INFORMATION

REVISIONS: The entire MSDS was reformatted to comply to ANSI Standard Z400.1-1993.

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSAREY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE THE MATERIAL SAFETY DATA SHEET PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.

MSDS Weak Caustic Solution

MSDS Weak Caustic Solution

TCEQ FORMS



I. REGISTRANT INFORMATION							
A. TCEQ Customer Reference Number:	CN-	TCEQ Regu	lated Entity Number:	RN- 105156111			
Note: If "NO," CN or RN number was ent Step II of the submittal process.	ered above: please fill	out the require	d Core Data Form, v	rhich will be available in			
B. Company or Other Legal Customer Na	ime: Port Arthur Chem	ical & Environ	mental Services, LLC				
Company Official Contact Name: Matt Boy	wman	Title: Presid	ent				
Mailing Address: 4904 Griggs Road							
City: Houston		State: Texas		Zip Code:77021			
Phone No.: 713-676-1460	Fax No.: 713-676-167	6	E-mail Address: mb	owman@cesenviormental.com			
C. Technical Contact Name: Philip Evans	.		Title: Director Tech	nical Services			
Company: The WCM Group, Inc.							
Mailing Address: PO Box 3247							
City: Humble		State: Texas		77347			
Phone No.: 281-446-7070	Fax No.: 281-446-334	8	8 E-mail Address: pevans@wcmgroup.com				
D. Facility Location Information - Street	Address: 2420 Highwa	y 87 South		<u> </u>			
If "NO," street address, provide written dr	iving directions to the	site: (attach de	scription if additiona	ıl space is needed)			
City: Houston	(County: Jefferso	n	Lip Code: 77640			
II. FACILITY AND SITE INFOR	MATION						
A. Name and Type of Facility: Port Arthu	ır Chemical & Environ	mental Service	s, LLC	Permanent Portable			
B. PBR claimed under 30 TAC § 106 (L	ist all):						
§ 106.261		§ 106.					
§ 106.							
§ 106.							
_							
Are you claiming a historical standard ex	cemption or PBR?		· · · · · · · · · · · · · · · · · · ·	☐ YES 🛭 NO			
If "YES." enter effective date and Rule Nu	mber:						

TCEQ 20182 (Revised 05/08) Form P1-7 CERT. This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)



	كالمناف المناف		يحبب عند نصبه عالت	والمستقد والمستقد والمستقد والمستقد والمستقد والمستقد والمستقد والمستقد والمستقد والمستقد والمستقد والمستقد وا				
II. FACILITY AND SITE INFORMATION (continued)								
C. Is there a previous Standard Exemption or PBR for the facility (Attach details regarding changes.)		☐ YES 🖾 NO						
If "YES." enter Registration Number and Rule Number:								
D. Are there any other facilities at this site which are authorize	d by an Air Standard E	xemption	or PBR?	☐ YES 🖾 NO				
If "YES." enter Registration Number and Rule Number:								
E. Are there any other air preconstruction permits at this site?				⊠ YES □ NO				
If "YES." enter Permit Numbers:	86587							
Are there any other air preconstruction permits at this site that wo	ıld be directly associated	with this	project?	☐ YES 🗵 NO				
If "YES," enter Permit Numbers:								
F. Is this facility located at a site which is required to obtain a fe pursuant to 30 TAC Chapter 122?								
If the site currently has an existing federal operating permit, ente	the permit number:							
Identify the requirements of 30 TAC Chapter 122 that will be trigg	gered if this certification	is accepte	d.					
☐ Initial Application for an FOP ☐ Significant Revis	ion for an SOP	Minor	Revision for a	n SOP				
Operational Flexibility/off Permit Notification for an SOP	Revision for GOP	Tob	c Determined	⊠ None				
Identify the type(s) issued and/or FOP application(s) submitted/pe	nding for the site. (Chec	k all that	apply)					
☐ SOP ☐ GOP ☐ GOP application/rev	ision application: Submi	tted or un	der APD revie	w.				
SOP application/revision application: submitted or under API	review.	□ N/A	·					
G. TCEQ Account Identification Number (if known):								
III. FEE INFORMATION								
To determine if a fee is required answer the following question. If "YES." to question III. A., a fee is not required, skip to Section IV. If "NO," to answer II. A., then go to Section III. B. See Section VI. for address to send fee or go to www.2.tceq.state.tx.us/epay to pay online.								
A. Is this registration an update to a previously registered facility solely to establish a federally enforceable emission limit?	and accompanied by a C	Certificati	on Form	☐ YES ⊠ NO				
B. What is the fee amount?								

TCEQ 20182 (Revised 05/08) Form PL-7 CERT
This form for use by facilities subject to air quality permits requirements and
may be revised periodically. (APDG 5379 v6)



		ومرجون والمراجع المراجع				
III. FEE INFORMATION (continued)						
If "YES." to any of the following three questions. a \$100 fee is require. Otherwise, a \$450 fee is required.						
Does this business have less than 100 employees?						
Does this business have less than 6 million dollars in annual gross receipts?		☐ YES 🖾 NO				
Is this registration submitted by a governmental entity with a population of less than 10,000?						
C. Check/Money Order or Transaction Number (Payable to TCEQ): ☐ YES ☒ NO Was fee Paid online?						
Company name of check: The WCM Group Inc. Fee amount:						
IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATIO	N					
Note: If claiming one of the following PBRs, complete this section, then skip to Section	VI., "Submitting your i	registration"				
below:						
Animal Feeding Operations § 106.161, Livestock Auction Facilities § 106.162, Saw Mill Drying § 106.283, Auto Body Refinishing Facilities §106.436, and Air Curtain Incinera		dling, Storage and				
A. Is the applicable PBR checklist attached which shows the facility meets all general and the PBR(s) being claimed? (If submitting electronically, click "YES.")	specific requirements of	☐ YES ☐ NO				
B. Distance from this facility's emission release point to the nearest property line:		feet				
Distance from this facility's emission release point to the nearest off-property structure:						
V. TECHNICAL INFORMATION INCLUDING STATE AND FEDERAL REGULATORY REQUIREMENTS Registrants must be in compliance with all applicable state and federal regulations and standards to claim a PBR.						
A. Is confidential information submitted and properly marked "CONFIDENTIAL" with	this registration?	☐ YES 🖾 NO				
B. Is a process flow diagram or a process description attached?						
C. Are emissions data and calculations for this claim attached?						
D. Is information attached showing how the general requirements (30 TAC § 106.4) of the PBR is met for this Registration? (PBR checklists may be used, but are optional)						
Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cup & Trade program under 30 TAC Chapter 101. Subchapter H, Division 3, the owner/operator of these facilities must possess NO_x allowances equivalent to the actual NO_x emissions from these facilities.						
E. Is information attached showing how the specific PBR requirements are met for this r (PBR checklist may be used, but are optional)	egistration?	⊠ YES □ NO				
F. Distance from this facility's emission release point to the nearest property line:						
Distance from this facility's emission release point to the nearest off-property structure: 250 feet						
Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.						

TCEQ 20182 (Revised 05/08) Form Pl-7 CERT This form for use by facilities subject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

Page 3 of 4



VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call 512/239-1250. Individuals are entitled to request gnd review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

SIGNA	TURE:	DATE;	
	(ORIGINAL SIGNATURE REQUIRED)	12/3/0	8
VII.	SUBMITTING COPIES OF THE CERTIFICATION AND REGISTRATION		-

Copies must be sent as listed below: Processing delays may occur if copies are not sent as noted.

Who	Where	I What
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail MC161, P.O. Box 13087 Austin, Texas 78711-3087 Hand Delivery, Overnight Mail MC 161, 12100 Park 35 Circle, Building C, Third Floor Austin, Texas 78753 Fax No.: (512) 239-2123 (do not follow fax with paper copies)	Originals Form PI-7, Core Data Form. and all attachments
Revenue Section, TCEQ	Regular, Certified, Priority Mail MC 214, P.O. Box 13088 Austin, Texas 78711-3088 Hand Delivery, Overnight Mail MC 214, 12100 Park 35 Circle, Building A, Third Floor Austin, Texas 78753	Original Money Order or Check Copy of Form PI-7 and Core Data Form
Appropriate TCEQ Regional Office	To find your Regional Office address; go to the TCEQ Web site at www.tceq.state.tx.us , or call (512) 239-1250.	Copy of Form PI-7, Core Data Form, and all attachments.
Appropriate Local Air Pollution Control Program(s)	To Find your local or Regional Air Pollution Control Programs go to the TCEQ, APD Website at www.tceq.state.tx.us/nav/permits/nir_permits.html or call (512) 239-1250	Copy of Form PI-7, Core Data Form, and all attachments.

hject to air quality permits requirements and may be revised periodically. (APDG 5379 v6)

Page 4 of 4

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR PERMITS DIVISION

TITLE 30 TAC § 106.4 "QUICK-CHECK" APPLICABILITY CHECKLIST

	e: Port Arthur Chemical		tal Services, LLC			
Checklist comp	leted by: The WCM Gr	Date:	December 2008			
Facility Type:_	Chemical production					
Permit(s) by ru	le claimed: 30 TAC Cha	pter §106: 261				
Project Descrip	tion (including equipmen	nt, materials, and	d brief process desc	ription):		
Production of I	Naphthenic oil from Na	phthenic causti	c solution.			
СО	6.65	NO _X	3.33	voc	< 0.001	
PM	0.00	SO ₂	0.23	Other	0.00	
I		i				

The following questions require a "Yes" or "No" answer to be indicated for this permit by rule claim:

A. Title 30 TAC § 106.4(a)(5): Current Permit by Rule Requirements

Yes X No Have you checked to determine if this exempt project is being claimed under the current version of 30 TAC 106? If "Yes", continue to next question If "No", please contact the Air Permits Division for a copy of the current permit by rule to be claimed.

B. Title 30 TAC § 106.4(a)(7): Permit by rule prohibition check

Yes No X Are there any <u>air permits</u> under the same account containing permit conditions which prohibit or restrict the use of permits by rule?

If "No", continue to next question

If "Yes", permits by rule may not be used or their use must meet the restrictions of the permit.

A new permit or permit amendment may be required.

List permit number(s):

C. Title 30 TAC § 106.4(b): Circumvention check

Title 30TAC§ 106.4(b) states "No person shall circumvent by artificial limitations the requirements of§l 16.110 of this title (covering permitting)." Circumvention by artificial limitations may include but is not limited to:

- A. dividing a complete project into separate segments to circumvent §106.4(a)(l) limits;
- B. claiming feed or production rates below the physical capacity of the project's equipment in order to begin constructing facilities before a permit or permit amendment is approved for full scale operations, particularly when the unit will not be economically viable at less than permitted capacity;
- C. claiming a limited chemical list in order to begin constructing facilities before a permit or permit amendment is approved for additional chemicals, particularly when the unit will not be economically viable until the additional chemicals are authorized.
- Yes□ No X Does your project meet any of the criteria listed above?

 If "No ", continue to next rule question If "Yes ", a permit y rule may not be claimed.

D. Title 30 TAC § 106.4(c) and (d): Compliance with all Rules

Yes X No. Will the facility comply with all rules and regulations of the TCEQ, the intent of the Texas Clean Air Act, and any local permitting or registration requirements? If "Yes", continue to next rule question If "No", a permit by rule may not be claimed.

E. Title 30 TAC § 106.4(a)(l): Emission limits check

Yes X No The maximum emissions from <u>all</u> facilities at the site, including this permit by rule claim, are less than 25 tpy of any contaminant

If the answer to this questions is "Yes", no further review is needed to complete this checklist. Forward all information needed to verify your permit by rule claim to the . If "No", this checklist cannot be used. Please complete the standard 30 TAC § 106.4 Applicability Checklist.



Title 30 Texas Administrative Code § 106.261 Permit By Rule (PBR) Checklist Facilities (Emission Limitations)

Electronic Submittal - Only enter the PI-7 confirmation number here if submitting electronically. Hard-Copy Submittal - Print and complete the following checklist.

The following checklist is designed to help you confirm that you meet Title 30 Texas Administrative Code § 106.261 (30 TAC § 106.261) requirements. If you do not meet all the requirements, you may alter the project design or operation in such a way that all the requirements of the PBR are met or you may obtain a construction permit. The PBR forms, tables, checklists and guidance documents are available from the Texas Commission on Environmental Quality (TCEQ), Air Permits Division Web site at, www.tceq.state.tx.us/nav/permits/air_permits.html.

_							
CI	CHECK THE MOST APPROPRIATE ANSWER						
	Is a description or checklist of how this claim meets the general requirements for the use of PBR in 30 TAC § 106.4 attached?						X YES NO N/A
b1	Is this claim for construction of a facility authorized in another section of this chapter or for which a standard permit is in effect? If "YES," this PBR cannot be used to authorize emissions from the project						
b2	2 Is this claim for any change to any facility authorized under another section of this chapter or authorized under a standard permit? If "YES," this PBR cannot be used to authorize emissions from the project □ YES X NO □N/A						
al	al Are facilities or changes located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located? X YES □ NO □N/A STRUCTURE NO □N/A						
a2	Are total new or increased emissions, including fugitives, less than or equal to 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials (check all that apply):						r 🗆 YES 🗆 NO X N/A
ĸ	benzene fluorocarbons Number	ctio	helium isohexane isopropyl alcohol methyl acetylene methyl chloroform methyl cyclohexane neon nonane oxides of nitrogen propane propyl alcohol propylene ns (except for pyrolysis naphthas , 12, 13, 14, 21, 22, 23, 113, 114, 1	15, a	and 116		-
che ref	emical having a limit v	alue f 30	d emissions, including fugitives, l (L) greater than 200 milligrams p TAC § 106.262 of this title (relating L value:	er o	cubic meter (mg/m ³) as listed	d and	d LES LINOANA

	-
Are total new or increased emissions, including fugitives, less than or equal to 1.0 lb/hr of any chemical not listed or referenced in Table 262? List chemical:Naphthenic Acid	X YES □ NO □N/A
Are total new or increased emissions, including fugitives, of a chemical with a limit value of les than 200 mg/m ³ ? If "Yes", the authorization of the chemical is not allowed under this section. W suggest you use 30 TAC §106.262 to authorize the emissions, if applicable.	YES NO X N/A
a4 Are there any changes to or additions of any existing air pollution abatement equipment?	□ YES X NO □N/A
a5 Will there be any visible emissions, except uncombined water, emitted to the atmosphere from an point or fugitive source in amounts greater than 5.0% opacity in any six-minute period?	y □ YES X NO □N/A
Are emission increases five tons per year or greater? If "YES," this checklist must be attached to Form PI-7 within ten days following the installation or modification of the facilities. Th notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.	e
 Are emission increases less than five tons per year? If "YES," this checklist must be attached to Form PI-7 and include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any. (pick one): X Within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or By March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. 	1 n 1



Texas Commission on Environmental Quality

Exemption §106.472 Checklist (Previously Standard Exemption 51)

Organic Liquid Loading and Unloading

The following checklist is designed to help you confirm that you meet §106.472, previously Standard Exemption 51 (STDX 51), requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Exemption §106.472, previously Standard Exemption 51. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met, or obtain a construction permit.

<u>YES</u>	NO	<u>NA</u>	DESCRIPTION
<u>X</u>		· <u> </u>	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106, Subchapter A checklist is available)?
<u>X</u>	_		Are all the facilities claimed for exemption specifically named in the general section of §106.472, previously STDX 51? (This exemption has been interpreted to allow mixing or blending but not chemical reaction in tankage.)
<u>X</u>	_		Is the equipment designed to prevent visible emissions?
X	- .	. ·	Are all the chemicals to be loaded, unloaded, or stored described in §106.472, previously STDX 51(a) - (i)? Attach a list of the chemicals and identify the appropriate item of §106.472, previously STDX 51 that applies. Include additional supporting data. For example, a §106.472, previously STDX 51(i), claim should identify initial boiling points of all compounds to be covered.
_	-	X	Will aqueous ammonia solutions, hydrochloric acid, or acetic acid be vented through a water scrubber?
_		X	Are facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees F or greater listed in 40 CFR 261, Appendix VIII, located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? List these compounds and show their handling location on an attached scaled plot plan.

FIGURE 1

AREA MAP

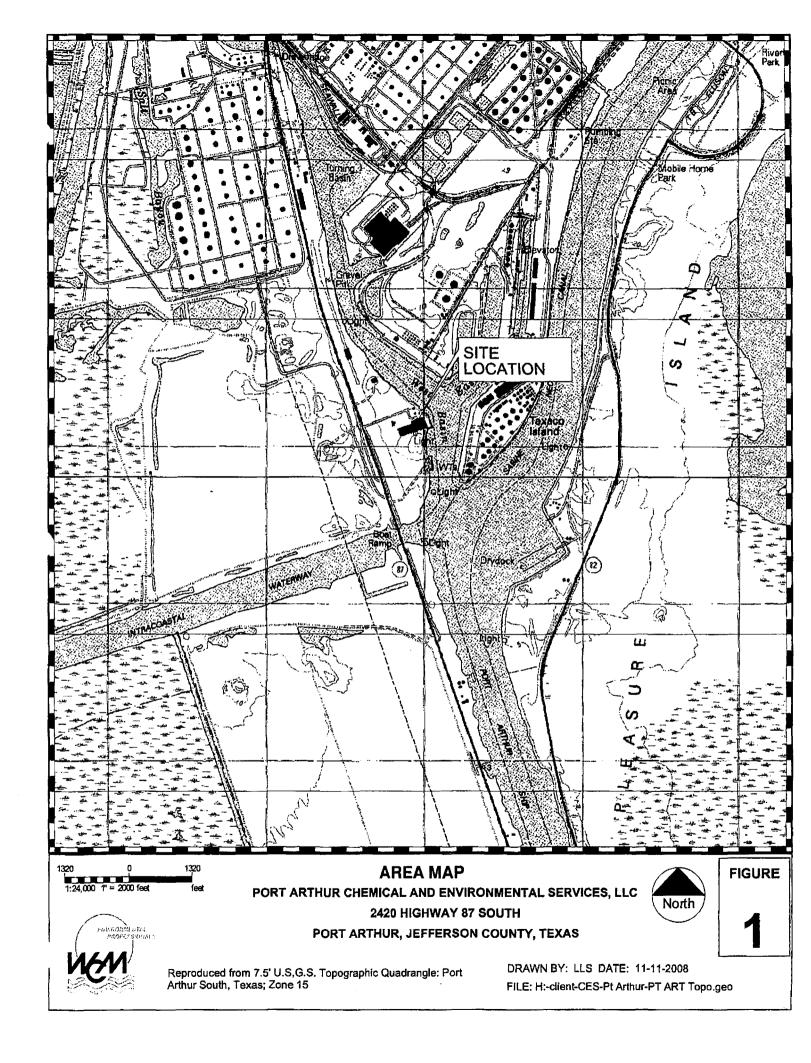


FIGURE 2 FACILITY SITE PLAN

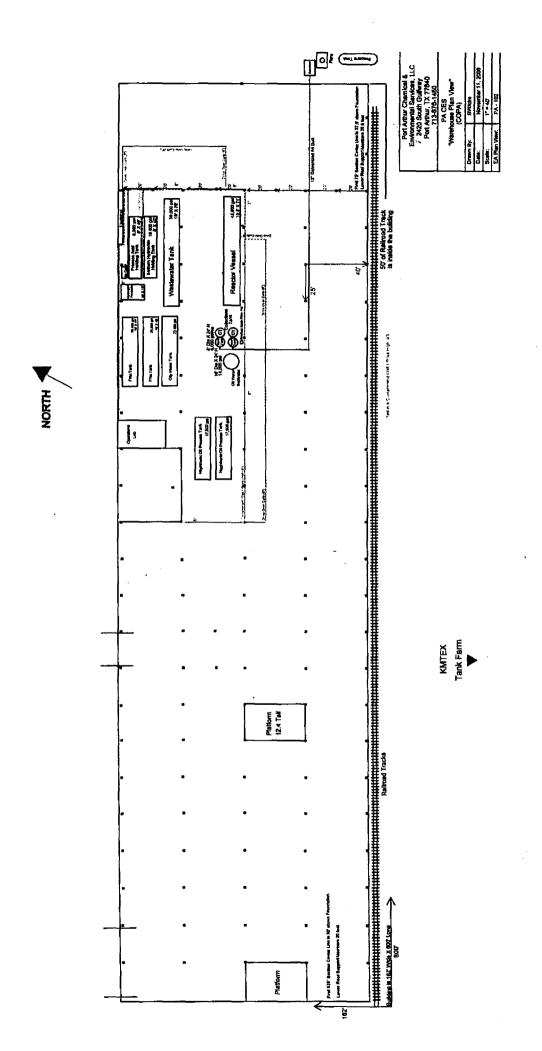
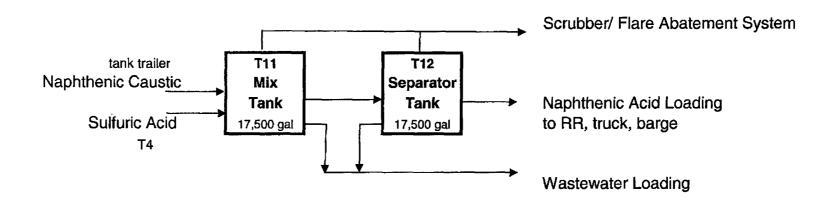


FIGURE 3 PROCESS FLOW DIAGRAM

Port Arthur Chemical & Environmental Services, LLC Naphthenic Acid Process Flow



note: loading is vapor balanced back to the tanks.

PERMIT APPLICATION FOR SODIUM HYDROSULFIDE PRODUCTION

Prepared for CES ENVIRONMENTAL SERVICES, INC. Port Arthur, Jefferson County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

October 2008



October 10, 2008

Mr. Donald D. Nelon Air Permits Initial Review Team (APIRT) MC-161 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY 12100 Park 35 Circle Austin, Texas 78753

LONE STAR AIRBILL NUMBER P2687561

Reference:

Air Permit Application

CES Environmental Services, Inc. CN600618946, RN105156111 2420 South Gulfway Drive

Port Arthur, Jefferson County, Texas 77640

Dear Mr. Nelon:

On behalf of CES Environmental Services, Inc. (CES), please find enclosed an application for permit to authorize the production of sodium hydrosulfide under 30 TAC Chapter 116.

If you have questions regarding this application or require further information, please do not hesitate to contact Mr. Matt Bowman of CES at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely.

Philip B. Evans

Director, Technical Services

PBE/tv 27189:5330017.let.doc

Enclosure

cc: M. Bowman

H. Ross – TCEQ Region 10

office 6.5

P.O. Box 3247, Humble, TX 77347-3247

Tel (281) 446-7070

Fax (281) 446-3348

110 Bender Ave., Humble, TX 77338

PERMIT APPLICATION FOR SODIUM HYDROSULFIDE PRODUCTION

Prepared for CES ENVIRONMENTAL SERVICES, INC. Port Arthur, Jefferson County, Texas

Prepared by THE WCM GROUP, INC. Humble, Texas

October 2008

TABLE OF CONTENTS

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2.0	PROCESS DESCRIPTION	2
3.0	EMISSIONS SUMMARY	4
4.0	PSD/NON ATTAINMENT REVIEW	5
5.0	REGULATORY COMPLIANCE EVALUATION	
6.0	BACT REVIEW	9
7.0	IMPACTS ANALYSIS	10

ATTACHMENTS

- A EMISSION CALCULATIONS
- B MODELING IMPACT; SCREEN3 MODEL RUNS

FORMS AND TABLES

TCEQ PI-1 FORM

TCEQ TABLE 2

TCEQ TABLE 8

TCEQ TABLE 30

FIGURES

- 1 AREA MAP
- 2 FACILITY SITE MAP
- 3 EQUIPMENT LAYOUT
- 4 PROCESS FLOW DIAGRAM
- 5 TORNADO FLARE SCHEMATIC

1.0 INTRODUCTION

CES Environmental Services, Inc. (CES) intends to construct and operate equipment for use in the batch production of sodium hydrosulfide (NaSH) on a property located at 2420 Gulfway Drive south of Port Arthur in Jefferson County, Texas. CES is submitting the enclosed documentation to request authorization for the production equipment and associated emissions. Currently, there are no other active emission sources at the site.

The production process involves the initial oxidation and acidification of an aqueous feed stream composed of dissolved sodium salts and sulfurized isobutylene oil. The reaction overhead is then routed via closed system to a sodium hydroxide solution where it is further reacted to produce the NaSH solution. The product is loaded into tank trucks or isocontainers and shipped off-site. Operational details are found in the Process Description section of this registration.

The CES facility is located in the Beaumont/Port Arthur ozone nonattainment area and will be classified as a minor source for emissions of Volatile Organic Compounds (VOC) and Nitrogen Oxides (NO_X). The emissions associated with this project are calculated as 1.15 tons per year of VOC and 3.33 tons per year of NO_X. Emission calculations are provided in Attachment A. Federal nonattainment and PSD program requirements do not apply. Texas Commission on Environmental Quality (TCEQ) PI-1 Form, Table 2, Table 8 and Table 30 are included in the Forms section. An area map, facility site map, process flow diagram and tornado flare schematic are included in the Figures section.

1 .

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2.0 PROCESS DESCRIPTION

An aqueous feed stream composed of dissolved sodium salts (sodium sulfide, sodium hydrosulfide, sodium hydroxide, sodium carbonate) and sulfurized isobutylene is delivered to the facility in tank trucks or isocontainers. The feed is batch transferred from the shipping container into a closed 45,000-gallon mix reactor vessel (T1) using a tank-to-tank vapor exchange (vapor balance). The material may also be routed through a 14,000-gallon oil/water separator (T9) to remove residual oil as needed prior to processing. The mix reactor contents can also be circulated through the oil\ water separator and back if required.

A 30% solution of hydrogen peroxide is transferred from a 7,000-gallon fixed roof tank (T2) to a smaller 500-gallon dilution vessel (T3) where it is diluted to a 10% solution. The dilute hydrogen peroxide is introduced into the mix reactor to oxidize the residual SIB oil. Sulfuric acid is then added from a 10,000-gallon fixed roof tank (T4) to react with the caustic sodium salts, maintaining the solution at pH 4. The reaction overhead flows from the mix vessel through a closed 6,000-gallon liquid collection (knock out) vessel (T6) and on to a second 6,000-gallon vessel (T7) containing a strong caustic solution (35% sodium hydroxide) for conversion to the NaSH product. The process vents to a caustic scrubber and then to a flare (FL1) to control any non-reacted sulfidic vapors. The caustic solution is supplied from an 8,000-gallon fixed roof tank (T-5). The aqueous sodium hydrosulfide product is transferred directly from the product collection tank (T7) into tank trucks or isocontainers and shipped off-site to the customer. Process wastewater solutions remaining in the mix reactor (T1) and collected in the overflow vessel (T6) are transferred to a 39,000-gallon wastewater tank (T8) for storage prior to off-site shipment. The wastewater is an aqueous solution of inorganic reaction salts.

The flare (FL1) is a three (3) inch diameter forty (40) foot tall air assisted smokeless gas flare equipped with supplemental fuel system and a continuously burning pilot. The pilot gas and supplemental fuel are propose supplied from a horizontal pressure storage vessel (T10). In addition to residual un-reacted overheads, the flare is used to control displacement losses from the oil/water separator vessel (T9) while the batch process is operating. When the batch process is not operated, collected oil is transferred to tank trucks or isocontainers for off-site shipment. Vapor balance is employed during this transfer to minimize emissions.

EQUIPMENT LIST

FIN	Description	Project Use
T1	45,000-gal capacity horizontal tank	Reactor Vessel
T2	7,000-gal capacity Horz Fixed Roof Tank	30% Hydrogen Peroxide storage
• ТЗ	550-gal capacity Vert Fixed Roof Tank	10% Hydrogen Peroxide storage
T4	10,000-gal capacity horizontal tank	Sulfuric Acid storage
T5	8,000-gal capacity horizontal tank	Sodium hydroxide storage
Т6	6,000-gal capacity Vert Fixed Roof Tank	Liquid Collection tank
T 7	6,000-gal capacity Vert Fixed Roof Tank	NASH tank
Т8	39,000-gal capacity horizontal tank	Wastewater storage
T9	Oil water separator	Oil separation and storage
TTL	Tank Truck/Isocontainer loading/unloading	Material loading/unloading
N/A	Caustic scrubber	Vent control
FL1	Flare	Vent control
T10	Horizontal Pressure Storage Tank	Propane (LPG) fuel storage

3.0 EMISSIONS SUMMARY

Emissions associated with the project include those generated from storage, processing, and transfer operations, as well as from potential fugitive equipment and piping component leaks. Displacement losses from material transfers are minimized using vapor balance. The reaction overhead composed of sulfidic vapors (primarily hydrogen sulfide) generated in the mix reactor (T1) flows through a closed vent system into the NaSH production vessel (T7) where it is converted to the product by reaction with caustic solution. There is no intermediate storage or handling of the overhead stream between the point of generation and the point of conversion. The only emissions are potential fugitive piping leaks. The vent from the NaSH production vessel is routed through an abatement train consisting of a caustic scrubber and flare to control any non-reacted sulfides. Based on sample results from pilot operations, the vent from the scrubber to the flare will contain less than 24 ppm of total sulfur compounds.

Fugitive emissions from potential leaks at valves, pumps, connections and other equipment associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". Reduction credit is taken for operations personnel monitoring the operations for leaks that can be detected by audible, visible or olfactory means.

Emission Summary

Poliutant	TPY
voc	1.15
NO _X	3.33
СО	6.65
SO2	0.23

4.0 PSD/NON ATTAINMENT REVIEW

The site is located in the Beaumont/Port Arthur ozone "moderate" nonattainment area. However, the control strategies must reflect the one-hour ozone standard designation of "serious". The emissions associated this project are below federal PSD and nonattainment major source thresholds. This project will not result in classification of the site as a major source for any criteria pollutant.

5.0 REGULATORY COMPLIANCE EVALUATION

This section details the applicability of both State and Federal rules to the operation of the facility.

116.111(a)(2)(A) Protection of Public Health and Welfare

As outlined below, the emissions from the facility will comply with air quality rules and regulations and with the intent of the Texas Clean Air Act, including protection of the health and physical property of the people.

There are no elementary, junior high/middle, or senior high schools located within 3,000 feet of the facility.

Regulation 101 - General Rules

The facility will be operated in accordance with the General Rules relating to circumvention; nuisance; traffic hazard; notification requirements for major upsets; notifications for maintenance, sampling, and sampling ports; emissions inventory requirements; sampling procedures and terminology; and compliance with United States Environmental Protection Agency (EPA) standards, including New Source Performance Standards (NSPS) and National Primary and Secondary Ambient Air Quality Standards (NAAQS).

Regulation 111 - Control of Air Pollution from Visible Emissions and Particulate Matter.

Because there are no emissions of particulate matter associated with this project, the requirements of 30 TAC Chapter 111 do not apply to the equipment and activities covered in this permit amendment application. No outdoor burning takes place at the facility.

Regulation 112 - Control of Air Pollution from Sulfur Compounds.

Sulfur compounds are controlled by the scrubber and the flare abatement train and meet the regulatory limit provided in Chapter 112.3 for Jefferson County.

Regulation 113 - Control of Air Pollution from Toxic Materials.

The site is a not a major source of hazardous air pollutants (HAPs) and is not subject to any MACT standard under 40 CFR 63. The regulation does not apply.

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Regulation 114 - Control of Air Pollution from Motor Vehicles.

All motor vehicles owned or operated by the facility will comply with the applicable provisions of this regulation including maintenance and operation of air pollution control systems or devices, inspection requirements, equipment evaluation procedures for vehicle exhaust gas analyzers, and use of oxygenated fuels, where applicable.

Regulation 115 - Control of Air Pollution from Volatile Organic Compounds.

The facility is located in Jefferson County, which is designated as moderate non-attainment for ozone. VOC are emitted from the facility due to piping fugitives and tank vent. A 40-foot tall flare controls the tank vent.

Regulation 117 - Control of Air Pollution from Nitrogen Compounds.

The facility is located in Jefferson County, which is designated as non-attainment for ozone and since NO_X is regulated as a precursor for ozone, Regulation VII is applicable. The flare combustion emissions are the only source of NO_X so the facility is exempted from provisions of Chapter 117.

Regulation 118 - Control of Air Pollution Episodes.

The facility will operate the project in compliance with any applicable requirements of this regulation regarding air pollution episodes.

Regulation 122 - Federal Operating Permits.

The facility is a not a major source and is not required to have a Federal Operating Permit.

116.111(a) (2) (B) Measurement of Significant Air Contaminants

CES will, upon request, perform measurements of emissions of significant air contaminants.

116.111(a) (2) (C) Best Available Control Technology (BACT)

The use of Best Available Control Technology for the source addressed in this application is described in Section 6 of the application document.

116.111(a) (2) (D) New Source Performance Standards

No New Source Performance Standards apply to this facility.

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116.111(a) (2) (E) National Emission Standards for Hazardous Air Pollutants (NESHAP)

No NESHAPS apply to this facility.

116.111(a) (2) (G) Performance Demonstration

The facility is operated in a manner consistent with good air pollution control practices for minimizing emissions. CES will submit additional engineering data to demonstrate the performance specified in the permit application if required.

116.111(a) (2) (H) Nonattainment Review for New Major sources.

The facility is located in Jefferson County, which is classified as a nonattainment area for ozone. The regulations are not applicable as the facility is not a major source for any pollutant and the project emissions are below nonattainment major source thresholds for NO_X and VOC.

116.111(a) (2) (I) Prevention of Significant Deterioration (PSD) Review

This regulation is not applicable since the facility is not a major source under CFR Title 40 Part 52.21 and the project emissions are below PSD major source thresholds for all criteria pollutants.

116.111(a) (2) (J) Air Dispersion Modeling

The EPA Screen3 air dispersion model was used to determine the air quality impacts from the proposed facility for the compounds emitted. Modeling results are provided in Attachment B.

116.111(a) (2) (K) Hazardous Air Pollutants

The facility is not a major source of emissions for hazardous air pollutants.

7.0 IMPACTS ANALYSIS

The emissions generated from the production of sodium hydrosulfide were evaluated for their potential short-term off-property impacts using the results of generic dispersion modeling generated from the EPA approved SCREEN3 model software. Potential impacts for each chemical were determined by multiplying the ratio of the calculated chemical emission rate and the modeled generic emission rate (1.0 g/sec) with the modeled generic concentration for each source, in accordance with the following formula:

Controlled:

(C/G)xF

Uncontrolled:

 $(C/G) \times W)$

where:

C = calculated compound emission (g/sec)

G = Modeled generic emission rate (1.0 g/sec)

W = Max. off-site generic building concentration (ug/m3)

F = Max. off-site generic flare concentration (ug/m3)

The resulting concentration for each compound was then compared to its 30-minute TCEQ ESL to determine the acceptability of its estimated impact. The ESLs used to determine the impacts were obtained from the TCEQ published ESL list or where indicated from specific TCEQ regulations or the National Ambient Air Quality Standards.

The modeling evaluation impact summary and the SCREEN3 model runs are found in Attachment B.

ATTACHMENT A EMISSION CALCULATIONS

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR **SUMMARY OF EMISSIONS**

EPN PA1: Process Builidng East End

	Stor	age	Fugi	tives	Loa	ding	To	tal
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Sodium Sulfide	0.0000	0.0000					0.0000	0.0000
Sodium Hydroxide	0.0000	0.0023					0.0000	0.0023
Sodium Carbonate	0.0000	0.0000					0.0000	0.0000
Sulfuric Acid	0.0000	0.0000					0.0000	0.0000
Sodium Hydrosulfide	0.0002	0.1120	0.0002	0.0008	0.0000	0.0007	0.0004	0.1128
Salts .	1.0885	0.4084			0.3902	0.2235	1.0885	0.4084
Hydrogen Peroxide	0.0032	0.8395	0.0003	0.0013			0.0035	0.8408
Hydrogen Sulfide	N/A	N/A	0.0017	0.0075			0.0017	0.0075
Recovered Oil	0.0002	0.0351	0.0000	0.0001	0.0002	0.0004	0.0003	0.0352
SIB Oil	0.0248	1.0781	0.0092	0.0402			0.0340	1.1183
		<u> </u>						

1.3718 non-VOC 1.0941 0.0342 1.1535

VOC

EPN FL1: Flare East End

nitrogen oxides	combustion products	0.7606	3.3316	NOX
carbon monoxide	combustion products	0.0255	6.6511	CO
sulfur dioxide	combustion products	0.0535	0.2344	SO2
hydrogen sulfide	vent with 98% flare control	0.0006	0.0025	H2S

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR Flare Combustion Calculation

Flare design data

224.7 scf /min

Vent gas composition

24 ppm sulfur compounds (as H2S) to flare

Calculation Basis: IDEAL GAS LAW, PV = nRT

data

after flare

where:

P = pressure (psia)

14.7 psia 224.7 scf /min

V = volumetric flow rate (scf /min)

10.73 psia scf / lb mole R

R = Universal Gas Constant

530.1 R

T= Temperature n = no. of moles of gas

Vent gas sulfur compound portion is less than 24 ppm

then.

 $n = PV/RT*60*24/10^6$

0.00084 lb mole sulfur / hr

Flare combustion will convert the sulfur compounds in the vent stream to SO2, conservatively assumes 100% conversion.

To convert to SO2, 1 lb mole SO2 is 64 lb

0.0535 lb/hr SO2 0.23 TPY SO2

Flare combustion will convert the sulfur compounds in the vent stream to SO2.

To convert to H2S, 1 lb mole H2S is 34 lb

Flare destruction efficiency is 98% for H2S per TCEQ guidance.

0.0006 lb/hr H2S

0.0025 TPY H2S

COMBUSTION

ſ	vent gas	pilot gas	supplemental	gas		
heat	0	2315.9	2315.9	Btu/scf		
flow	13482	20	2360	scfh		
rate	118,102,320	175,200	20,673,600	scf/year	i	
	Factor	NO TOV	NO. B. fl.	Factor	CO TOV	00 11 / 15 / 15
Vent Gas	0.1380	0.000	0.000	1b/MMBtu 0.2755	0.000	0.000
Pilot Gas	0.1380	0.028	0.006	0.2755	0.056	0.013
Supplemental Gas	0.1380	3.304	0.754	0.2755	6.595	0.013
Total	N/A	3,332	0.761	N/A	6.651	0.026

Flare Destruction/Removal Efficiency and Emission Factors are based on TCEQ Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers: AG-109 October 2000 for high Blu non-steam assisted flares.

Pilot Gas Sample calculation:

NOx ton/yr: (2,316 Btu/lb) * (175,200 lb/MMBtu) / 1000000 * (0.1380 lb/yr) / 2000 = 0.028 tpy

NOx lb/hr: (2,316 Btu/lb) * (20 lb/MMBtu) / 1000000 * (0.1380 lb/yr) = 0.006 lb/hr

³TCEQ Technical Flare Guidance states in Table 4 Flare Factors - PM emission factor is none.

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR TANK EMISSION CALCULATIONS

TOWN THE PROPERTY OF THE PROPE				,							
	Tank ID: chemical	T1 SIB Oil	T1 Sulfidic causti	T2 30%	T3 10%	Т4	T5	Т6	Т7	T8 Salts	T9 Recovered Oi
				Hydrogen	Hydrogen		Sodium	Sodium	Sodium		!
	Material:	Mix Tank	Mix Tank	Peroxide	Peroxide	Sulfuric Acid	Hydroxide	Hydrosulfide	Hydrosulfide	Wastewater	Separator
Annual Throughput, gal/yr	Q =	13,000,000	13,000,000	1,560,000	7,800,000	1,040,000	1,040,000	2,340,000	2,340,000	5,200,000	364,000
Max Hourly Transfer Rate, gat/hr	FR =	4,000	4,000	6,000	500	60	60	60	60	4,000	60
Emissions:			ļ					1		1	1
Maximum Hourly Emissions, lb/hr	Lmax =	0.02480	0.02308	0.00000	0.00318	0.00000	0.00000	0.00011	0.00011	1.08849	0.00023
Total Annual Emissions, TPY	Lt =	1.07806	1.00331	0.15808	0.68137	0.00001	0.00233	0.05600	0.05600	0.40844	0.03510
Annual Average Hourly Emis, lb/hr	Lavg =	0.246	0.229	0.036	0.156	0.000	0.00053	0.013	0.013	0.093	0.008
Standing loss, lb/yr	Ls =	7.334	6.576	17.972	0.854	0.002	0.106	2.167	2.167	62.313	0.000
Working loss, lb/yr	Lw =	2148.790	2000.053	298.195	1361.893	0.011	4.552	109.824	109.824	754.559	70.198
Material Properties:				ľ		1		•	ĺ		ł
Molecular Weight, lb/lb-mole	Mv =	18.00	18.00	20.80	18.83	98.07	0.58	18.00	18.00	18.00	150.00
Vapor Pressure @ Tla, psia	Pva ≕ '	0.39	0.36	0.39	0.39	0.00	0.32	0.11	0.11	0.34	0.05
Vapor Pressure @ Tln, psia	Pvn =	0.33	0.30	0.32	0.33	0.00	0.27	0.09	0.09	0.29	0.04
Vapor Pressure @ Tlx, psia	Pvx =	0.46	0.42	0.46	0.46	0.00	0.38	0.13	0.13	0.40	0.07
Max. Vapor Pressure @ mTlx, psia	Pvmax =	0.72	0.67	0.65	0.71	0.00	0.00	0.21	0.21	0.63	0.11
Tank Properties:			[
Vapor control device		scrubber	scrubber	vapor balance	scrubber	none	none	scrubber	scrubber	none	flare
Vapor control efficiency, %	e =	98	98	100	98	0	0	98	98	0	99
Capacity volume, gal	Cv =	47,966	47,966	8,812	547	15,039	13,535	6,016	6,016	41,123	14,099
Shell Diameter, ft	D =	10.8	10.8	10.0	4.5	8.0	8.0	8.0	8.0	10.0	10.0
Shell Height/Length, ft	Hs≂	70.0	70.0	15.0	4.6	40.0	36.0	16.0	16.0	70.0	24.0
Tank Orientation (vertical or horizontal)		horiz	horiz	horiz	vert	horiz	horiz	vert	vert	horiz	vert
Roof type (cone or dome)		N/A	N/A	N/A	cone	N/A	N/A	cone	cone	N/A	cone
Tank Color (white, light gray, other)		white	white	white	white	white	white	white	white	white	white
Solor absorbance factor	a =	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Pressure vent setting, psig	Pbp =	0.3	0.3	0	0	0	0.3	0	0	0	0
Vacuum vent setting, psia	Pbv =	-0.3	-0.3	0 (0	0 (-0.3	0	0	0	0
Effective diameter, ft	De =	10.8	10.8	13.8	4.5	20.2	19.2	8.0	8.0	29.9	10.0
Avg. Liquid Height, ft	HI =	35.0	35.0	5.0	2.3	4.0	4.0	8.0	8.0	5.0	12.0
Max. Liquid Height, ft	Hlx =	70.0	70.0	10.0	4.6	8.0	8.0	16.0	16.0	10.0	24.0
Roof Outage, ft	Hro =	0.00	0.00	0.00	0.05	0.00	0.00	0.08	0.08	0.00	0.10
Vapor Space Outage, ft	Hvo =	35.00	35.00	5.00	2.35	4.00	4.00	8.08	8.08	5.00	12.10
Vapor space volume, ft ³	Vv =	3206.31	3206.31	750.38	37.33	1280.65	1152.58	406.31	406.31	3501.78	950.66

Operating Conditions (Houston, Tx):	- 1		}	1	{		}			{	1
Atmospheric pressure, psia	Pa ≂	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Annual Avg. Daily solar insulation factor, Btu/ft^2 day	=	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351
Annual Avg. Daily max. ambient temp, R	Tax =	539.1	539.1	539.1	539.1	539.1	539.1	539.1	539.1	539.1	539.1
Annual Avg. Daily min. ambient temp, R	Tan =	517.4	517.4	517.4	517.4	517.4	517.4	517.4	517.4	517.4	517.4
Annual Avg. Daily vapor temp. range, R	^Tv =	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
Annual Daily avg. liquid surface temp, R	Tla =	530.1	530.1	530.1	530.1	530.1	520.0	530.1	530.1	530.1	530.1
Annual Avg. Daily min. liquid surface temp., R	Tin =	524.6	524.6	524.6	524.6	524.6	515.0	524.6	524.6	524.6	524.6
Annual Avg. Daily max. liquid surface temp., R	Tlx =	535.6	535.6	535.6	535.6	535.6	525.0	535.6	535.6	535.6	535.6
Highest Month Daily solar insulation factor, Btu/ft^2 day	m! =	1898	1898	1898	1898	1898	1898	1898	1898	1898	1898
Highest Month Daily max. ambient temp, R	mTax =	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6	553.6
Highest Month Daily min. ambient temp, R	mTan =	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5
Highest Month Daily vapor temp. range, R	m^Tv =	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
Highest Month Daily max. liquid surface temp., R	mTix =	551.7	551.7	551.7	551.7	551.7	525.0	551.7	551 <i>.</i> 7	551.7	551.7
Gas Constant, psia-ft/3/lb mole-R	R =	10.73	10.73	10.73	10.73	10.73	10.73	10.73	10.73	10.73	10.73
Vapor Density, (b/ft ³	Wv =	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.001	0.001
Daily vapor pressure range, psia	^Pv =	0.131	0.121	0.138	0.134	0.000	0.108	0.037	0.037	0.115	0.020
Vapor space expansion factor	Ke =	0.009	0.008	0.051	0.051	0.042	0.008	0.044	0.044	0.050	0.043
Vented vapor saturation factor	Ks =	0.583	0.600	0.907	0.954	1.000	0.937	0.955	0.955	0.918	0.967
Working Loss Product Factor	Kp =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turnovers	N =	271.02	271.02	177.03	14253.46	69.15	76.84	388.98	388.98	126.45	25.82
Turnover factor	Kn=	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Operating Days, days/yr	Days =	365	365_	365	365	365	365	365_	365	365	365

LOADING LOSS EMISSIONS

		T7	<u>T8</u>	T9
	Material:	Sodium Hydrosulfide	Wastewater	Recovered Oil
	EPN:	LDR-001	LDR-001	LDR-001
Annual Throughput, gal/yr	Th =	2,340,000	5,200,000	364,000
Max Hourly Fill Rate, gal/hr	FR =	60	4,000	60
Emissions:	Heal Little			
Maximum Hourly Emissions, lb/hr	ll =	0.0000	0.390245	0.0002
Annual Emissions, TPY	LL ≈	0.0007	0.223483	0.0004
LL = [(12.46 x ((S x VPa x MW) / Ta) / 1000) x Th x (Material Properties:		,,. <u></u>		
			, , , , , , , , , , , , , , , , , , , ,	154.60
Molecular Weight, lb/lb-mole	Mv =	18.00	18.00	150.00
Vapor Pressure @ Tlx, psia	Pvx =	0.13	0.40	0.07
Vapor Pressure @ Tla, psia	Pva =	0.11	0.34	0.05
Vapor control device		scrubber	none	flare
Capture efficiency, %	c=	100	100	100
Vapor control efficiency, %	e = 1	98	0	98
Max Liquid Temp., R	Tlx =	551.67	551.67	551.67
Averag Liquid Temp., R	Tla =	530.08	530.08	530.08
Saturation Factor	S =	0.6	0.6	0.6

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR FUGITIVE EMISSION ESTIMATES

		VP	Liquid	Stream Type					Gas/Vapo		Gas/Vapo				Total		SIONS
MATERIAL	FIN	(psia)	wt frac.	LL,HL,G/V	Valves	lbs/hr	Flanges	lbs/hr	Valves	lbs/hr	Flanges	lbs/hr	Pumps	lbs/hr	lb/hr	(lb/hr)	(ton/yr)
SiB oil	T1	0.72327	1.0000	LL	22	0.00231	98	0.00147	0	0	0	0	2	0.005404	0.0092	0.0092	0.0402
Hydrogen peroxide 30%	T2	0.65214	0.3000	ᄔ	2	0.00021	6	0.00009	0	0	0	0	1	0.002702	0.0009	0.0003	0.0012
Hydrogen peroxide 10%	ТЗ	0.70865	0.1000	Щ	2	0.00021	6	0.00009	0	0	0	0	1	0.002702	0.0003	0.0000	0.0001
Hydrogen sulfide	to T7		1.0000	G/V	0	0	0	0.00000	1	0.000267	16	0.001392	0	0	0.0017	0.0017	0.0073
Vent gas	FL1		0.1000	G/V	0	0	0	0.00000	1	0.000267	50	0.00435	0	. 0	0.0005	0.0000	0.0002
Recovered Oil	LDR-001	0.10938	0.0500	LL	1	0.000105	6	0.00009	1	0.000267	0	0	0	0	0.0000	0.0000	0.0000
Sodium Hydrosulfide	LDR-001	0,20537	1.0000	LL	0	0	12	0.00018	0	0	0	0	0	0	0.0002	0.0002	0.0008
																0.0112	0.0490

	Total			nk	Ve	ent	Load		
Speciation	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	
SIB oil	0.0092	0.0402	0.0092	0.0402					
Recovered Oil	0.0000	0.0001					0.0000	0.0001	
Hydrogen peroxide	0.0003	0.0013	0.0003	0.0013					
Hydrogen sulfide	0.0017	0.0075			0.0017	0.0075			
Sodium Hydrosulfide	0.0002	0.0008		_			0.0002	0.0008	
Total	0.0114	0.0499							

Monitoring is performed in accordance with TCEQ AVO.

SOCMI Factors	- Valves ∵	Flanges	G/V VIv	G/V Fing	Pumps	Relief VIv	Agitator
Light Liquid (LL)	0.0035	0.0005			0.0386		0.0005
Gas / Vapor (G/V)			0.0089	0.0029		0.2293	
Heavy Liquid (HL)	0.0007	0.00007			0.0161		0.00007
"种","吃",我想得都是			aber ja		0.4100		
LL,G/V - Efficiency (%)	97	97	97	97	93	97	97
HL - Efficiency (%)	0	0	30	30	0	0	0

^{*} Per TCEQ guidance, fugitive emissions are not estimated for materials with vapor pressure < 0.002 psia.

365 days in service

ATTACHMENT B

MODELING IMPACTS

SCREEN3 MODEL RUNS

CES ENVIRONMENTAL SERVICES, INC. - PORT ARTHUR **MODELING IMPACTS**

		Maximum Off-Property Nearest Receptor Maximum Off-Property Nearest Property Line		10,970 ug/m3 9,053 ug/m3 6,582 ug/m3 5,432 ug/m3		105 ft 141 ft		
EPN PA1 : Process Building East End						(using 0.6 Area Source Adj. Facto (using 0.6 Area Source Adj. Facto		
Chemical	CAS No.	ESL ug/m3	Emis lb/hr	ion Rates g/sec	Max Off- Property ug/m3	Nearest Receptor ug/m3	Max Off-Property Excedance (No or Yes)	Property Line Excedance (No or Yes)
Sodium Sulfide	1313-82-2	50	0.0000	0.0000	0.0000	0.0000	No	No
Sodium Hydroxide	1310-73-2	20	0.0000	0.0000	0.0027	0.0022	No	No
Sodium Carbonate	497-19-8	50	0.0000	0.0000	0.0000	0.0000	No	No
Sulfuric Acid	7664-93-9	15	0.0000	0.0000	0.0019	0.0016	No	No
Sodium Hydrosulfide	16721-80-5	50	0.0004	0.0000	0.3240	0.2674	No	No
Salts	N/A	N/A	1.0885	0.1370	901.5247	743.9839	No	No
Hydrogen Peroxide	772-84-1	14	0.0035	0.0004	2.8805	2.3771	No	No
Hydrogen Sulfide	7783-06-04	167	0.0017	0.0002	1.4123	1.1655	No	No
Recovered Oil	8012-95-1	50	0.0003	0.0000	0.2190	0.1807	No	No
SIB Oil	68511-50 - 2	1400	0.0340	0.0043	28.1450	23.2267	No	No
		non-VOC VOC	1.0941 0.0342		· · · ·			

EPN FL1 : Flare East End			Maximum Off-Property Nearest Property Line		1,049 ug/m3 869 ug/m3		250 ft 43 ft	
Chemical	CAS No.	ESL ug/m3	Emision Emisio	on Rates	Max Off- Property ug/m3	Nearest Receptor ug/m3	Max Off-Property Excedance (No or Yes)	Property Line Excedance (No or Yes)
Sulfur Dioxide	7446-09-5	838	0.0535	0.0067	7.0644	0.0044	No	No
Hydrogen Sulfide	7783-06-04	167	0.0006	0.0001	0.0751	0.0000	No	No

ESL notes:

For sulfuric acid, 30 TAC 112.41, 15 ug/m3
For sulfur dioxide, 30 TAC 112.3, Jefferson County, ESL is 0.32 ppm or 838.4 ug/m3.
For hydrogen sulfide, 30 TAC 112.31, ESL is 0.12 ppm or 166.8 ug/m3 for industrial areas.
For nitorgen oxides & carbon monoxide, ESL must meet NAAQS.

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*** SCREEN3 MODEL RUN ***

*** VERSION DATED 96043 ***
```

CES PA STORAGE TANK AREA SOURCE MODELING RUN (RURAL)

SIMPLE TERRAIN INPUTS:

SOURCE TYPE AREA .748900E-03 EMISSION RATE (G/(S-M**2)) =SOURCE HEIGHT (M) = 1.0670 LENGTH OF LARGER SIDE (M) = 51.9500 LENGTH OF SMALLER SIDE (M) = 25.7000 RECEPTOR HEIGHT (M) = .0000 URBAN/RURAL OPTION = RURAL

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED. THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

MODEL ESTIMATES DIRECTION TO MAX CONCENTRATION

BUOY. FLUX = .000 M**4/S**3; MOM. FLUX = .000 M**4/S**2.

*** STABILITY CLASS 6 ONLY ***

*** ANEMOMETER HEIGHT WIND SPEED OF 1.50 M/S ONLY ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST	CONC		U10M	USTK	MIX HT	PLUME	MAX DIR
(M)	(UG/M**3)	STAB	(M/S)	(M/S)	(M)	HT (M)	(DEG)
10.	4458.	6	1.5	1.5	10000.0	1.07	23.
100.	8187.	6	1.5	1.5	10000.0	1.07	16.
200.	4438.	6	1.5	1.5	10000.0	1.07	0.
300.	2708.	6	1.5	1.5	10000.0	1.07	. 0.
400.	1802.	6	1.5	1.5	10000.0	1.07	0.
500.	1286.	6	1.5	1.5	10000.0	1.07	0.
600.	967.0	6	1.5	1.5	10000.0	1.07	0.
700.	756.0	6 .	1.5	1.5	10000.0	1.07	0.
800.	616.2	6	1.5	1.5	10000.0	1.07	0.
900.	514.4	6	1.5	1.5	10000.0	1.07	0.
1000.	437.2	6	1.5	1.5	10000.0	1.07	0.
1100.	378.5	6	1.5	1.5	10000.0	1.07	0.
1200.	332.0	6	1.5	1.5	10000.0	1.07	0.
1300.	294.3	6	1.5	1.5	10000.0	1.07	0.
1400.	262.9	6	1.5	1.5	10000.0	1.07	0.
1500.	236.7	6	1.5	1.5	10000.0	1.07	0.
1600.	214.5	6	1.5	1.5	10000.0	1.07	0.
1700.	195.7	6	1.5	1.5	10000.0	1.07	0.
1800.	179.4	6	1.5	1.5	10000.0	1.07	0.
1900.	165.3	6	1.5	1.5	10000.0	1.07	0.
2000.	153.0	6	1.5	1.5	10000.0	1.07	0.

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 10. M: 50. .1137E+05 6 1.5 1.5 10000.0 1.07 23. ********* *** SCREEN DISCRETE DISTANCES *** *** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES *** U10M USTK MIX HT PLUME MAX DIR DIST CONC (M) (UG/M**3) STAB (M/S) (M/S) (M) HT (M) (DEG) 32. 9053. 6 43. .1097E+05 6 ********** *** SUMMARY OF SCREEN MODEL RESULTS *** ************ CALCULATION MAX CONC DIST TO TERRAIN (UG/M**3) MAX (M) HT (M) PROCEDURE -----SIMPLE TERRAIN .1137E+05 50.

```
*** SCREEN3 MODEL RUN ***

*** VERSION DATED 96043 ***
```

CES PA AREA STORAGE TANK AREA SOURCE MODELING RUN (URBAN)

SIMPLE TERRAIN INPUTS:

SOURCE TYPE AREA EMISSION RATE (G/(S-M**2)) =.748991E-03 SOURCE HEIGHT (M) = 1.0667 LENGTH OF LARGER SIDE (M) 51.9500 = LENGTH OF SMALLER SIDE (M) = 25.7000 RECEPTOR HEIGHT (M) = .0000 URBAN/RURAL OPTION = URBAN

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

MODEL ESTIMATES DIRECTION TO MAX CONCENTRATION

BUOY. FLUX = .000 M**4/S**3; MOM. FLUX = .000 M**4/S**2.

*** STABILITY CLASS 6 ONLY ***

*** ANEMOMETER HEIGHT WIND SPEED OF 1.50 M/S ONLY ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)		PLUME HT (M)	MAX DIF (DEG)
10.	5509.	6	1.5	1.5	10000.0	1.07	17.
100.	2182.	6	1.5		10000.0	1.07	0.
200.	679.2	6	1.5	1.5	10000.0	1.07	0.
300.	333.5	6	1.5	1.5	10000.0	1.07	0.
400.	202.4	6	1.5	1.5	10000.0	1.07	0.
500.	138.3	6	1.5	1.5	10000.0	1.07	3.
600.	102.1	6	1.5	1.5	10000.0	1.07	1.
700.	79.30	6	1.5	1.5	10000.0	1.07	0.
800.	63.89	6	1.5	1.5	10000.0	1.07	3.
900.	52.98	6	1.5	1.5	10000.0	1.07	3.
1000.	44.92	6	1.5	1.5	10000.0	1.07	3.
1100.	38.78	6	1.5	1.5	10000.0	1.07	3.
1200.	33.97	6	1.5	1.5	10000.0	1.07	3.
1300.	30.12	6	1.5	1.5	10000.0	1.07	3.
1400.	26.99	6	1.5	1.5	10000.0	1.07	0.
1500.	24.38	6	1.5	1.5	10000.0	1.07	0.
1600.	22.19	6	1.5	1.5	10000.0	1.07	0.
1700.	20.33	6	1.5	1.5	10000.0	1.07	2.
1800.	18.73	6	1.5	1.5	10000.0	1.07	3.
1900.	17.35	6	1.5	1.5	10000.0	1.07	0.
2000.	16.14	6	1.5	1.5	10000.0	1.07	0.

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 10. M: 34. 7715. 6 1.5 1.5 10000.0 1.07 20.

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST	CONC		U10M	USTK	MIX HT	PLUME	MAX DIR
(M)	(UG/M**3)	STAB	(M/S)	(M/S)	(M)	HT (M)	(DEG)
32.	7613.	6	1.5	1.5	10000.0	1.07	20.
43.	6673.	6	1.5	1.5	10000.0	1.07	22.

CALCULATION	MAX CONC	DIST TO	TERRAIN
PROCEDURE	(UG/M**3)	MAX (M)	HT (M)
SIMPLE TERRAIN	7715.	34.	0.

```
*** SCREEN3 MODEL RUN ***

*** VERSION DATED 96043 ***
```

CES PA FLARE MODELING RUN (URBAN)

SIMPLE TERRAIN INPUTS: POINT SOURCE TYPE EMISSION RATE (G/S) 1.00000 STACK HEIGHT (M) 12.1900 STK INSIDE DIAM (M) .1016 STK INSIDE DIAM (M) = .1016 STK EXIT VELOCITY (M/S) = 20.0000 STK GAS EXIT TEMP (K) = 1273.0000 AMBIENT AIR TEMP (K) = 293.0000 RECEPTOR HEIGHT (M) .0000 URBAN/RURAL OPTION URBAN BUILDING HEIGHT (M) = 9.1400 49.4400 MIN HORIZ BLDG DIM (M) = MAX HORIZ BLDG DIM (M) = 160.8410

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = .390 M**4/S**3; MOM. FLUX = .238 M**4/S**2.

*** FULL METEOROLOGY ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST	CONC		U10M	USTK	MIX HT	PLUME	SIGMA	SIGMA	
(M)	(UG/M**3)	STAB	(M/S)	(M/S)	(M)	HT (M)	(M) Y	Z (M)	DWASH
10.	.0000	0	.0	.0	. 0	.00	.00	.00	NA
100.	774.7	4	1.0	1.1	320.0	15.00	15.69	13.79	SS
200.	321.6	6	1.0	1.1	10000.0	21.23	21.17	14.03	SS
300.	273.7	6	1.0	1.1	10000.0	21.23	31.18	19.93	SS
400.	204.1	6	1.0	1.1	10000.0	21.23	40.85	25.30	SS
500.	154.4	6	1.0	1.1	10000.0	21.23	50.21	30.24	SS
600.	120.7	6	1.0	1.1	10000.0	21.23	59.27	34.82	SS
700.	97.25	6	1.0	1.1	10000.0	21.23	68.06	39.11	SS
800.	80.41	. 6	1.0	1.1	10000.0	21.23	76.59	43.15	SS
900.	67.92	6	1.0	1.1	10000.0	21.23	84.89	46.97	SS
1000.	58.40	6	1.0	1.1	10000.0	21.23	92.97	50.60	SS
1100.	50.95	6	1.0	1.1	10000.0	21.23	100.83	54.06	SS
1200.	45.00	6	1.0	1.1	10000.0	21.23	108.50	57.37	SS
1300.	40.16	6	1.0	1.1	10000.0	21.23	115.99	60.55	SS
1400.	36.17	6	1.0	1.1	10000.0	21.23	123.30	63.61	SS
1500.	32.83	6	1.0	1.1	10000.0	21.23	130.44	66.56	SS
1600.	30.00	6	1.0	1.1	10000.0	21.23	137.43	69.42	ss
1700.	27.58	6	1.0	1.1	10000.0	21.23	144.27	72.18	SS
1800.	25.49	6	1.0	1.1	10000.0	21.23	150.97	74.86	SS

```
    1900.
    23.67
    6
    1.0
    1.1 10000.0
    21.23 157.54 77.47

    2000.
    22.07
    6
    1.0
    1.1 10000.0
    21.23 163.98 80.00

                                                                  SS
                        1.0 1.1 10000.0 21.23 163.98 80.00
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND
                                     10. M:
                        1.0 1.0 320.0 14.04 11.11 10.20
   50. 1049. 3
                                                                  SS
 DWASH= MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB
********
*** SCREEN DISCRETE DISTANCES ***
*********
*** TERRAIN HEIGHT OF
                     O. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***
 DIST
         CONC
                        U10M
                             USTK MIX HT
                                           PLUME
                                                  SIGMA
                                                         SIGMA
        (UG/M**3)
                  STAB (M/S) (M/S)
                                   (M)
                                           HT (M)
                                                   Y (M)
                                                         Z (M) DWASH
  (M)
_____
       _____
                       ____
                              ----
                                    ----
                                           _____
                                                  ____
                                                         _____
                             . 0
                                                   .00
   13.
        .0000
                   0
                         .0
                                     .0
                                            .00
                                                          .00
                                                                 NA
                             1.1 320.0
                                          15.00 12.01 10.55
   76.
       869.4
                   4
                         1.0
                                                                 SS
 DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH-SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB
**********
    *** REGULATORY (Default) ***
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
       (BRODE, 1988)
***********
                                *** CAVITY CALCULATION - 2 ***
 *** CAVITY CALCULATION - 1 ***
 CONC (UG/M**3) = .0000
CRIT WS @10M (M/S) = 99.99
                                 CONC (UG/M**3) = .0000
                                                       99.99
                                 CRIT WS @10M (M/S) =
 CRIT WS @ HS (M/S) = 99.99
                                 CRIT WS @ HS (M/S) =
                                                      99.99
                    99.99
                                 DILUTION WS (M/S) =
                                                       99.99
 DILUTION WS (M/S) =
 CAVITY HT (M) = 9.14
CAVITY LENGTH (M) = 52.13
                                 CAVITY HT (M)
                                                       9.14
                                 CAVITY LENGTH (M) =
                                                       36.78
 ALONGWIND DIM (M) =
                     49.44
                                  ALONGWIND DIM (M) =
                                                      160.84
CAVITY CONC NOT CALCULATED FOR CRIT WS > 20.0 M/S. CONC SET = 0.0
*********
     END OF CAVITY CALCULATIONS
*************
    ************
    *** SUMMARY OF SCREEN MODEL RESULTS ***
    **********
```

CALCULATION	MAX CONC	DIST TO	TERRAIN
PROCEDURE	(UG/M**3)	MAX (M)	HT (M)
SIMPLE TERRAIN	1049.	(50)	0.
*******	*****	*****	*****
** REMEMBER TO I	NCLUDE BACKGRO	UND CONCENT	TRATIONS **
*****	*****	*****	******

```
*** SCREEN3 MODEL RUN ***

*** VERSION DATED 96043 ***
```

CES PA FLARE MODELING RUN

SIMPLE	TERRAIN	TMDIMC.

=	POINT
=	1.00000
=	12.1900
=	.1016
) =	20.0000
=	1273.0000
=	293.0000
=	.0000
=	RURAL
=	9.1400
=	49.4400
=	160.8410
	=) = = = = = =

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED. THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

BUOY. FLUX = $.390 \text{ M}^{**4}/\text{S}^{**3}$; MOM. FLUX = $.238 \text{ M}^{**4}/\text{S}^{**2}$.

*** FULL METEOROLOGY ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST	CONC		U10M	USTK	MIX HT	PLUME	${ t SIGMA}$	SIGMA	
(M)	(UG/M**3)	STAB	(M/S)	(M/S)	(M)	HT (M)	Y (M)	Z (M)	DWASH
							-		
10.	.0000	0	. 0	.0	.0	.00	.00	.00	NA
100.	826.0	4	1.5	1.5	480.0	13.08	8.20	8.01	SS
200.	695.0	4	1.0	1.0	320.0	15.16	15.56	10.95	SS
300.	543.2	4	1.0	1.0	320.0	15.16	22.61	14.03	SS
400.	414.0	4	1.0	1.0	320.0	15.16	29.45	17.11	SS
500.	320.2	4	1.0	1.0	320.0	15.16	36.15	20.07	SS
600.	266.8	6	1.0	1.1	10000.0	20.88	21.24	12.51	SS
700.	261.3	6	1.0	1.1	10000.0	20.88	24.46	13.49	SS
800.	245.9	6	1.0	1.1	10000.0	20.88	27.63	14.16	SS
900.	235.0	6	1.0	1.1	10000.0	20,88	30.78	15.02	SS
1000.	223.2	6	1.0	1.1	10000.0	20.88	33.88	15.85	SS
1100.	211.4	6	1.0	1.1	10000.0	20.88	36.96	16.66	SS
1200.	199.8	6	1.0	1.1	10000.0	20.88	40.01	17.44	SS
1300.	188.7	6	1.0	1.1	10000.0	20.88	43.04	18.21	SS
1400.	178.3	6	1.0	1.1	10000.0	20.88	46.05	18.95	SS
1500.	168.5	6	1.0	1.1	10000.0	20.88	49.03	19.68	SS
1600.	159.4	6	1.0	1.1	10000.0	20.88	51.99	20.40	SS
1700.	150.9	6	1.0	1.1	10000.0	20.88	54.94	21.10	SS
1800.	143.3	6	1.0		10000.0	20.88	57.87	21.23	SS

```
    1900.
    136.2
    6
    1.0
    1.1 10000.0
    20.88
    60.78
    21.88

    2000.
    129.6
    6
    1.0
    1.1 10000.0
    20.88
    63.68
    22.46

                                                                SS
MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 10. M:
  70. 862.4 6 2.5 2.8 10000.0 13.15 2.96 6.77
                                                                SS
 DWASH= MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB
**********
*** SCREEN DISCRETE DISTANCES ***
***********
*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***
 DIST
        CONC
                        U10M USTK MIX HT PLUME SIGMA
                                                       SIGMA
  (M) (UG/M**3) STAB (M/S) (M/S) (M) HT (M) Y (M) Z (M) DWASH
       _____
_____
                 ____
                                   _____
                                                        -----
                              .0 .0 .00 .00
                  0 .0
                                                         .00 NA
   13. .0000
                                                  3.16 7.02 SS
   76. 858.5
                  6
                         2.5 2.8 10000.0 13.29
DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB
***********
    *** REGULATORY (Default) ***
   PERFORMING CAVITY CALCULATIONS
 WITH ORIGINAL SCREEN CAVITY MODEL
   (BRODE, 1988)
**********
 *** CAVITY CALCULATION - 1 ***
                               *** CAVITY CALCULATION - 2 ***
 CONC (UG/M**3) = .0000
CRIT WS @10M (M/S) = 99.99
                                CONC (UG/M**3) =
                                CRIT WS @10M (M/S) = 99.99
 CRIT WS @ HS (M/S) = 99.99
                                CRIT WS @ HS (M/S) = 99.99
 DILUTION WS (M/S) = 99.99
                                DILUTION WS (M/S) = 99.99
 CAVITY HT (M)
                 =
                      9.14
                                CAVITY HT (M) =
 CAVITY LENGTH (M) = 52.13
                                CAVITY LENGTH (M) = 36.78
 ALONGWIND DIM (M) = 49.44
                                ALONGWIND DIM (M) = 160.84
CAVITY CONC NOT CALCULATED FOR CRIT WS > 20.0 M/S. CONC SET = 0.0
**********
    END OF CAVITY CALCULATIONS
*************
*** INVERSION BREAK-UP FUMIGATION CALC. ***
```

CONC (UG/M**3) = .0000DIST TO MAX (M) = 240.98

חדפת	ΨO	MAY	TC	_	2000	M	CONC	SET	_	n	Ω
נכונו		MAA	1.3	_	2000.	171	C.CMV.	251	***		

***	*****	****	*****	****	******	***
***	SUMMARY	OF S	SCREEN	MODEL	RESULTS	***
***	******	****	*****	*****	******	***

CALCULATION	MAX CONC	DIST TO	TERRAIN
PROCEDURE	(UG/M**3)	MAX (M)	HT (M)
SIMPLE TERRAIN	862.4	70.	0.

 FORMS AND TABLES



<u>Update</u>: The TCEQ requires that a Core Data Form be submitted on all incoming applications unless a Regulated Entity and Customer Reference Number have been issued by the TCEQ <u>and</u> no core data information has changed. For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ Web site at www.tceq.state.tx.us/permitting/central_registry/guidance.html.

<u></u>					
I.	APPLICANT INFORMATION				
A.	Company or Other Legal Name: CES	Environmental Services, Inc.			
Те	xas Secretary of State Charter/Registrati	on Number (if applicable):			
В.	Company Official Contact Name: Mat	t Bowman			
Tit	le: President				
М	niling Address: 4904 Griggs				
Ci	y: Houston	State: TX		Zip Code: 77021	
Те	lephone No: 713-676-1460	Fax No.: 713-676-1676		ail Address: wman@cesenvironmental	l.com
C.	Technical Contact Name: Philip Evan	s			
Tit	le: Director Technical Services				
Co	mpany Name: The WCM Group, Inc.				
Ma	iling Address: PO Box 3247				
Cit	y: Humble	State: Texas		Zip Code: 77347	
Te	ephone No.: 281-446-7070	Fax No.: 281-446-3348	E-m	ail Address:pevans@wcm	group.com
D.	Facility Location Information:				
Str	eet Address: 2420 South Gulfway Drive				
	If no street address, provide clear drivi	ng directions to the site in writing:			
Cit	y: Port Arthur	County: Jefferson		Zip Code: 77336	
E.	TCEQ Account Identification Number	(leave blank if new site or facility):			
F.	Is a TCEQ Core Data Form (TCEQ Fo	rm No. 10400) attached?			⊠ YES □ NO
G.	TCEQ Customer Reference Number (l	eave blank if unknown): CN600618946	; 		
H.	TCEQ Regulated Entity Number (leave	e blank if unknown): RN105156111			
п.	IMPORTANT GENERAL INFO	DRMATION)			,
A.	Is confidential information submitted v	vith this application?			☐ YES 🖾 NO
	If "YES," is each "confidential" page 1	narked "CONFIDENTIAL" in large re	ed let	ters?	☐ YES ☐ NO

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П.	IMPORTANT GENERAL INFORMATI	ON (continued)					
B.	Is this application in response to a TCEQ in	vestigation or enforce	cement action?			☐ YES ⊠ NO	
	If "YES", attach a copy of any corresponder	nce from the TCEQ				·	
C.	Number of New Jobs: 10						
D.	Names of the State Senator and district num	ber for this facility	site: Senator Kyle Jar	nek 17			
	Names of State Representative and district n	number for this facil	ity site: Representati	ve Joe D. De	shotel – 22		
E.	For Concrete Batch Plants, name of the Cou	inty Judge for this fa	icility site:				
Ма	iling Address:						
City	у:	State:		Zip Code:			
F.	For Concrete Batch Plants, is the facility loc municipality?	ated in a municipali	ity or an extraterritor	ial jurisdiction	on of a	☐ YES ☐ NO	
	If "YES," list the name(s) of the Presiding C	Officer(s) for this fac	cility site:				
Ma	iling Address:						
City	y: Stat	le:		Zip Code:			
ш.	FACILITY AND SOURCE INFORM	1ATION					
A.	Site Name: CES Environmental Services, In	ic Port Arthur					
В.	Area Name/Type of Facility: CES Environm	nental Services, Inc.	- Port Arthur		Perman	ent 🗌 Portable	
C.	Principal Company Product or Business: Ch	emical Manufacturi	ng				
	Principal Standard Industrial Classification (Code: 2819					
D.	Projected Start of Construction Date: October	er 2008	Projected Start of O	peration Da	te: October 2	2008	
IV.	TYPE OF PERMIT ACTION REQU	ESTED					
A.	Permit Number (if existing): N/A			,			
В.	Is this an initial permit application?					⊠ YES □ NO	
	If "YES," check the type of permit requested (check all that apply): State Permit Nonattainment Federal Permit Flexible Permit Prevention of Significant Deterioration Federal Permit Multiple Plant Permit Hazardous Air Pollutants Permit Federal Clean Air Act § 112(g) Other:						



IV.	V. TYPE OF PERMIT ACTION REQUESTED (continued)						
C.	Is this a permit amendment?			☐ YES ⊠ NO			
If "YES," check the type of permit requested (check all that apply): State Permit Amendment Flexible Permit Amendment Multiple Plant Permit Amendment Nonattainment Major Modification Prevention of Significant Deterioration Major Modification Hazardous Air Pollutants Permit Federal Clean Air Act § 112(g) Modification Other:							
D.	Is a permit renewal application being sul Senate Bill 1673? [THSC 382.055(a)(2)]		Iment in accordance with	☐ YES ⊠ NO			
E.	Is this application for a change in location	n of previously permitted facilities?		☐ YES ⊠ NO			
If "	YES," answer E. 1. and E. 2.						
1.	Current location of facility:						
Stre	eet Address (If no street address, provide	clear driving directions to the site in w	vriting.):				
City	y:	County:	Zip Code:				
2.	Will the proposed facility, site, and plot conditions?	plan meet all current technical require	ments of the permit special	☐ YES ☐ NO			
	If "NO," attach detailed information.						
F.	Are there any standard permits, exemption	ons or permits by rule to be consolidate	ed into this permit?	☐ YES ☒ NO			
G.	Are you permitting a facility or group of emissions that cannot be authorized by a by rule or standard permit and are being	permit by rule or standard permit or the		☐ YES 🖾 NO			
	If "YES," attach information on any char VIII. and Section IXX.	nges to emissions under this application	on as specified in Section				
If "	YES," answer G. 1 through G. 3.	·					
1.	Are the activities to be included in this p	ermit covered by any previously existi	ing MSS authorizations?	☐ YES 🛭 NO			
	If "YES," provide a listing of all other au registration number if any).	nthorizations (permit by rule or standar	rd permit and the associated				
2.	Have the emissions been previously subr	nitted as part of an emissions inventor	y?	☐ YES ⊠ NO			
3.	List which years the MSS activities were	included in emissions inventory subm	nittals:				



IV.	. TYPE OF PERMIT ACTION REQUESTED (continued)							
H.	Federal Operating Permit Requirements (30 TAC Chapter 122 Applicability) ☐ YES ☒ NO ☐	To be Determined						
	Is this facility located at a site required to obtain a federal operating permit under 30 TAC Chapter 122?							
1.	Identify the requirements of 30 TAC Chapter 122 that will be triggered if this PI-1 application is approved.							
	FOP Significant Revision FOP Minor Application for an FOP Revision							
	Operational Flexibility/Off-Permit Notification Streamlined Revision for GOP To be determined Notification	one						
2.	Identify the type(s) of FOP(s) issued and/or FOP application(s) submitted/pending for the site (check all that	apply)						
	SOP GOP GOP application/revision application: submitted or under APD review							
	SOP application/revision application: submitted or under APD review N/A							
v.	V. PERMIT FEE INFORMATION							
A.	Fee paid for this application:	\$ 1064						
1.	Is a copy of the check or money order attached to the original submittal of this application?	□ NO □ N/A						
2.	Is a Table 30 entitled, "Certification of estimated Capital Cost and Fee Verification," attached?	☑ YES □ NO						
VI.	. PUBLIC NOTICE APPLICABILITY							
A.	Is this a new permit application?	⊠ YES □ NO						
В.	Is this an application for a major modification of a PSD, NA or 30 TAC § 112(g) permit?	☐ YES 🛭 NO						
C.	Is this a state permit amendment application?	☐ YES 🛭 NO						
If "	YES," answer C. 1. through C. 3.							
1.	Is there any change in character of emissions in this application?	☐ YES ☐ NO						
	Is there a new air contaminant in this application?	☐ YES ☐ NO						
2.	Do the facilities handle, load, unload, dry, manufacture, or process grain, seed, legumes, or vegetables fibers (agricultural facilities)?	☐ YES ☐ NO						
3.	List the total annual emission increases associated with the application (list all that apply): Volatile Organic Compounds (VOC): tpy Particulate Matter (PM): Sulfur Dioxide (SO ₂): tpy Lead (Pb): Carbon Monoxide (CO): tpy Nitrogen oxides (NO _x): Other air contaminants not listed above: tpy List:	tpy						

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VI.	VI. PUBLIC NOTICE APPLICABILITY (continued)							
D. I	Is this a change of location application?					☐ YES ☒ NO		
If "Y	ES," answer D. 1. through D. 3.							
1. I	Is the new facility site located in or cont	iguous to the right-of-v	vay of a public	works	project?	☐ YES ☐ NO		
2. I	Is there a permitted facility occupying th	ie new site?				☐ YES ☐ NO		
_ I	If "YES," please list the permit number:							
3. I	Have portable facilities occupied the nev	w site at any time in the	last two years	;?		☐ YES ☐ NO		
VII.	PUBLIC NOTICE INFORMATION	ON (complete if applic	able)					
A. I	Responsible Person:							
Name	e: Matt Bowman		Title: Presider	nt				
Maili	ing Address: 4904 Griggs Road							
City:	Houston .	State: Texas			Zip Code: 77021			
Telep	phone No.: 713-676-1460	1		E-mail Addres	-mail ddress:mbowman@cesevironmental.com			
В. Т	Fechnical Contact:							
Comp	pany Name: The WCM Group, Inc.							
Name	e: Phil Evans		Title: Director	r				
Maili	ing Address: PO Box 3247							
City:	Humble	State: TX			Zip Code: 77347			
Telep	phone No.: 281-446-7070	Fax No.: 281-446-334	.8	E-mail	Address: pevans@wc	mgroup.com		
C . A	Application in Public Place:							
Name	e of Public Place: Port Arthur Public Li	brary						
Physi	ical Address: 4615 9th Ave	City: Port Arthur			County: Jefferson			
The p	public place has granted authorization to	place the application f	or public view	ing and	copying?	⊠ YES □ NO		
D.	Is a bilingual program required by the	e Texas Education Cod-	e in the School	l Distric	t?	YES □ NO		
	Are the children who attend either the eligible to be enrolled in a bilingual pr			chool cl	osest to your facility	⊠ YES □ NO		
	If yes, which language is required by	the bilingual program?	1	Spani	ish	☐ YES ☐ NO		



VII	I. SMALL BUSINESS CLASSIFICATION (required)	
A.	Does this company (including parent companies and subsidiary companies) have fewer than 100 employees or less than \$6 million in annual gross receipts?	☐ YES ⊠ NO
В.	Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program?	☐ YES ⊠ NO
C.	Are the site emissions of any individual air contaminant greater than 50 tpy?	☐ YES ⊠ NO
D.	Are the site emissions of all air contaminants combined greater than 75 tpy?	☐ YES ☒ NO
IX.	TECHNICAL INFORMATION	
A.	Is a current area map attached?	YES □ NO
Are	any schools located within 3,000 feet of this facility?	☐ YES ⊠ NO
В.	Is a plot plan of the plant property attached?	YES □ NO
C.	Is a process flow diagram and a process description attached?	⊠ YES □ NO
D.	Maximum Operating Schedule: 16 Hours/Day 5 Days/Week 52 Weeks/Year	
Sea	sonal Operation?	☐ YES ⊠ NO
If "	YES," please describe	
E.	Are worst-case emissions data and calculations attached?	YES □ NO
1.	Is a Table 1(a) entitled, "Emission Point Summary Table," attached?	⊠ YES □ NO
2.	Is a Table 2 entitled, "Material Balance Table," attached?	⊠ YES □ NO
3.	Are equipment, process, or control device tables attached?	⊠ YES □ NO
F.	Are actual emissions for the last two years (determination federal applicability) attached?	☐ YES ☒ NO
Х.	STATE REGULATORY REQUIREMENTS Applicants must be in compliance with all applicable state regulations to obtain a permit or amendment	t.
A.	The emissions from the proposed facility will comply with all rules and regulations of the TCEQ and details are attached?	⊠ YES □ NO
В.	The proposed facility will be able to measure emissions of significant air contaminants and details are attached?	⊠ YES □ NO
c.	A demonstration of Best Available Control Technology (BACT) is attached?	⊠ YES □ NO
D.	The proposed facilities will achieve the performance in the permit application and compliance demonstration or record keeping information is attached?	⊠ YES □ NO
E.	Is atmospheric dispersion modeling attached?	☐ YES 🖾 NO

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X.	K. STATE REGULATORY REQUIREMENTS (continued) Applicants must be in compliance with all applicable state regulations to obtain a permit or amendment.							
F.	Does this application involve any air contaminants for which a "disaster review" is required?	☐ YES ⊠ NO						
	If "YES," details must be attached.							
	Note: For a list of air contaminants for which a "disaster review" will be required, refer to the NSRPD Disasta Document at <u>www.tceq.state.tx.us/permitting/air/rules/federal/63/63hmpg.html</u> .							
G.	Is this facility or group of facilities located at a site within an Air Pollutant Watch List (APWL) area?	☐ YES ⊠ NO						
If "	YES," answer G. 1. through G. 3.							
1.	List the APWL Site Number							
2.	Does the site emit a pollutant of concern for the APWL area in which the site is located?	☐ YES ☐ NO						
3.	If "YES," list the pollutant(s) of concern emitted by this site:							
Н.	Is this facility or group of facilities located at a site within the Houston/Galveston nonattainment area? (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, or Waller Counties)	☐ YES ⊠ NO						
1.	Does the facility or group of facilities located at this site have an uncontrolled design capacity to emit 10 tpy or more of NO _X ?	☐ YES ☐ NO						
2.	Is this site subject to 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emissions Cap and Trade)?	YES NO						
3.	Does this action make the site subject to 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emissio Cap and Trade)?	ons YES NO						
4.	Does this action require the site to obtain additional emission allowances?	☐ YES ☐ NO						
XI.	XI. FEDERAL REGULATORY REQUIREMENTS Applicants must be in compliance with all applicable federal regulations to obtain a permit or amendment. If any of the following questions is answered "YES, the application must contain detailed attachments addressing applicability, identify federal regulation Subparts, show how requirements are met, and include compliance information.							
A.	Does a Title 40 Code of Federal Regulations Part 60, (40 CFR Part 60) New Source Performance Standard (NSPS) apply to a facility in this application?	☐ YES ☒ NO						
В.	Does 40 CFR Part 61, National Emissions Standard for Hazardous Air Pollutants (NESHAP) apply to a facility in this application?	YES NO						
C.	Does a 40 CFR Part 63, Maximum Achievable Control Technology (MACT) standard apply to a facility in this application?	y ☐ YES ☒ NO						
D.	Does nonattainment permitting requirements apply to this application?	☐ YES ☒ NO						
E.	Does prevention of significant deterioration permitting requirements apply to this application?	☐ YES ⊠ NO						
F.	Does Hazardous Air Pollutant Major Source [FAA § 112(g)] requirements apply to this application?	☐ YES ⊠ NO						
ХП	XII. COPIES OF THIS APPLICATION							
A.	. Has the required fee been sent separately with a copy of this Form PI-1 to the TCEQ Revenue Section? (MC 214, P.O. Box 13088, Austin, Texas 78711).							

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XII. COPIES OF THIS APPLICATION (continued)						
B. Are the Core Data Form, Form PI-1, and all attachments being sent to the TCEQ in Austin?	⊠ YES □ NO					
OPTIONAL: Has an extra copy of the Core Data Form, Form PI-1 and all attachments been sent to the TCEQ in Austin?	☐ YES ☒ NO					
If "YES," please mark this application as "COPY."						
C. Is a copy of the Core Data Form, the Form PI-1, and all attachments being sent to the appropriate TCEQ regional office	☑ YES ☐ NO					
D. Is a copy of the Core Data Form, the Form PI-1, and all attachments being sent to each appropriate local air pollution control program(s)?	YES NO					
List all local air pollution control program(s):						
E. Is a copy of the Core Data Form, Form PI-1, and all attachments (without confidential information) being sent to the EPA Region 6 office in Dallas, Texas? (federal applications only)	☐ YES ⊠ NO					
F. This facility is located within 100 kilometers of the Rio Grande River and a copy of the application was sent to the International Boundary Water Commission (IBWC):	☐ YES ☒ NO					
G. This facility is located within 100 kilometers of a federally-designated Class I area and a copy of the application was sent to the appropriate Federal Land Manager:	☐ YES ☒ NO					
XIII. PROFESSIONAL ENGINEER (P.E.) SEAL						
Is the estimated capital cost of the project greater than \$2 million dollars?	☐ YES ⊠ NO					
If "YES," the application must be submitted under the seal of a Texas licensed Professional Engineer (P.E.).						
XIV. DELINQUENT FEES AND PENALTIES						
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Offi General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol." For more regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: www.tceq.state.tx.us/agency/delin/index	ore information					
XV. SIGNATURE						
The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7, Texas Clean Air Act (TCAA), as amended, or any of the air quality rules and regulations of the Texas Commission on Environmental Quality or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. I further state that I have read and understand TWC §§ 7.177-7.183, which defines CRIMINAL OFFENSES for certain violations, including intentionally or knowingly making or causing to be made false material statements or representations in this application, and TWC § 7.187, pertaining to CRIMINAL PENALTIES.						
NAME: Matt B. L. man SIGNATURE: DATE: 10-8-08 Original Signature Required						

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5330017.pi-1.doc Page 8 of 8

CES ENVIRONMENTAL SERVICE 4904 GRIGGS ROAD HOUSTON, TEXAS 77021	ES, INC.	BANK OF AMERICA, NA 35-2/1130	40858
(713) 676-1460			10/9/2008
PAY TO THE TCEQ ORDER OF TCEQ One Thousand Sixty-Four and 00/100		***********	\$ **1,064.00
TCEQ			DOLLARS []
Cashiers Office MC-214			
PO Box 13088 Austin, TX 78711-3088			_
NEMO		mito	www.
Air permit - Port Arthur facility	b) (6)		
"°O4O&5&«"	2) (0)		
CES ENVIRONMENTAL SERVICES, INC.			40858
TCEQ		10/9/2	
	Air permit - Port	Arthur facility	1,064.00

CES Environmental S Air permit - Port Arthur facility

1,064.00

TABLE 2

MATERIAL BALANCE

This material balance table is used to quantify possible emissions of air contaminants and special emphasis should be placed on potential air contaminants, for example: If feed contains sulfur, show distribution to all products. Please relate each material (or group of materials) listed to its respective location in the process flow diagram by assigning point numbers (taken from the flow diagram) to each material.

LIST EVERY MATERIAL INVOLVED IN EACH OF THE FOLLOWING GROUPS	Point No. from Flow Diagram	Process Rate (lbs/hr orSCFM) standard conditions: 70°F 14.7 PSIA. Check appropriate column at right for each process.	Measurement	Estimation	Calculation
Raw Materials - Input Sulfidic Caustic Sulfuric Acid Hydrogen Peroxide Sodium Hydroxide	1 2 3 4	36,000 916 4865 705		X X X	
2. Fuels - Input N/A					
Products & By-Products - Output Sodium Hydrosulfide SIB Oil	5 6	570 388		X X	
4. Solid Wastes - Output N/A					
5. Liquid Wastes - Output Wastewater	7	38,400		х	
6. Airborne Waste (Solid) - Output N/A					
7. Airborne Wastes (Gaseous) - Output Volatile Organics Hydrogen Sulfide Sulfur Dioxide	8	0.03 0.0006 0.053			X

10/93

TABLE 8

FLARE SYSTEMS

Number from Flow Diagram N/A			Manufacturer & Model No. (if available) Tornado Air Assist Flare					
CHARACTERISTICS OF INPUT								
Waste Gas Stream	Material	Min.	Value Expe	eted	Ave. Value	Expected		Design Max.
		(scfm [68°F,14.7 p	sia])	(scfm [68°F,	14.7 psia])	(scfn	n [68°F, 14.7 psia])
	1. air with sulfur compounds	200			200		264	
	2,							
	3.							
	4.							
	5.							
	6.							
	7.							
	8.							
% of time this condition	1 occurs							
		Flow Rate (scfm [68°F,		[68°F,	[14.7 psia]) Temp		'F	Pressure (psig)
		Minimum Expected		Design Maximum				
Waste Gas Stream		220 22		224.7		100		2
Fuel Added to Gas Stea	m	39.3 39		39.3		100		2
	Number of	Pilots	Type F	uel	Fuel Flow Ra	ate (scfm [70°	te (scfm [70°F & 14.7 psia]) per pilot	
	one	Propane		0.33				
For Stream Injection	Stream	Pressure (psig)		Tota	l Stream Flow	Temp	.°F	Velocity (ft/sec)
	Min. Expec	eted		Rate (lb/hr)				
N/A								
Number of Je				Diameter of Steam Jets (inches)		injected	Design basis for steam injected (lb steam/lb hydrocarbon)	
For Water Injection Water Press Min. Expected I		sure (psig) Total Water Design Max Min Expect					of lets	Diameter of Water Jets (inches)
N/A N/A								
Flare Height (ft) 40			Flare	tip insid	e diameter (ft)	0.333		
Capital Installed Cost \$_50,000				Annual	Operating Cost	\$ 500		

Supply an assembly drawing, dimensioned and to scale, to show clearly the operation of the flare system. Show interior dimensions and features of the equipment necessary to calculate its performance. Also describe the type of ignition system and its method of operation. Provide an explanation of the control system for steam flow rate and other operating variables.

05/96

Attached

Texas Commission on Environmental Quality Table 30 Estimated Capital Cost and Fee Verification

Include estimated cost of the equipment and services that would normally be capitalized according to standard and generally accepted corporate financing and accounting procedures. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality, Air Permits Division Web site at www.tnrcc.state.tx.us/permitting/airperm.

I.	DIRECT COSTS [30 TAC § 116.141(c)(1)]	Estimated Capital Cost
	A. A process and control equipment not previously owned by the applicant and not currently authorized under this chapter	\$ 19.00
	B. Auxiliary equipment, including exhaust hoods, ducting, fans, pumps, piping, conveyors, stacks, storage tanks, waste disposal facilities, and air pollution control equipment specifically needed to meet permit and regulation requirements	\$ 62,340
	C. Freight charges	\$ 10,000
	D. Site preparation, including demolition, construction of fences, outdoor lighting, road and parking areas	\$ 8,800
	E. Installation, including foundations, erection of supporting structures, enclosures or weather protection, insulation and painting, utilities and connections, process integration, and process control equipment	\$ 160,000
	F. Auxiliary buildings, including materials storage, employee facilities, and changes to existing structures	\$ 61,000
	G. Ambient air monitoring network	\$ 6,0000
11.	INDIRECT COSTS 30 TAC § 116.141(c)(2)	Estimated Capital Cost
	A. Final engineering design and supervision, and administrative overhead	\$ 0
	B. Construction expense, including construction liaison, securing local building permits, insurance, temporary construction facilities, and construction clean-up	\$ 12,000
	C. Contractor's fee and overhead	\$ 15,800
roi	TAL ESTIMATED CAPITAL COST	\$ 354,940

I certify that the total estimated capital cost of the project as defined in 30 TAC § 116.141 is equal to or less than the above figure. I further state that I have read and understand Texas Water Code§ 7.179, which defines <u>CRIMINAL OFFENSES</u> for certain violations, including intentionally or knowingly making, or causing to be made, false material statements or representations.

Company Representative Signature:	
Company Representative Name (please print): Matt Bowman Title: President	
Company Name: CES Environmental Services	

Estimated Capital Cost	Permit Application Fee	PSD/Nonattainment Application Fee
Less than \$ 300,000 \$300,000 to \$25,000,000 \$300,000 to \$ 7,500,000 Greater than \$ 25,000,000 Greater than \$ 7,500,000	\$900 (minimum fee) 0.30% of capital cost	\$3,000 (minimum fee) 1.0% of capital cost \$75,000 (maximum fee)

PERMIT APPLICATION FEE (from table above) = \$	1,064	Date:	10/9/08
--	-------	-------	---------

FIGURES

FIGURE 1

AREA MAP

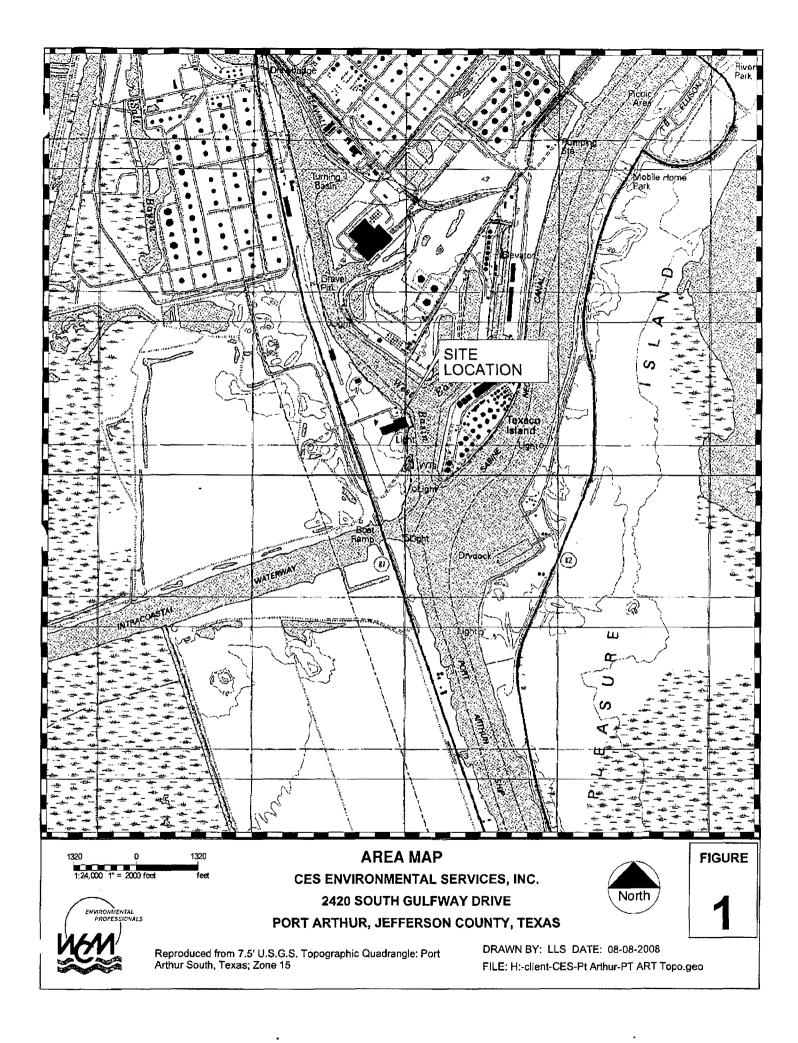


FIGURE 2 FACILITY SITE MAP

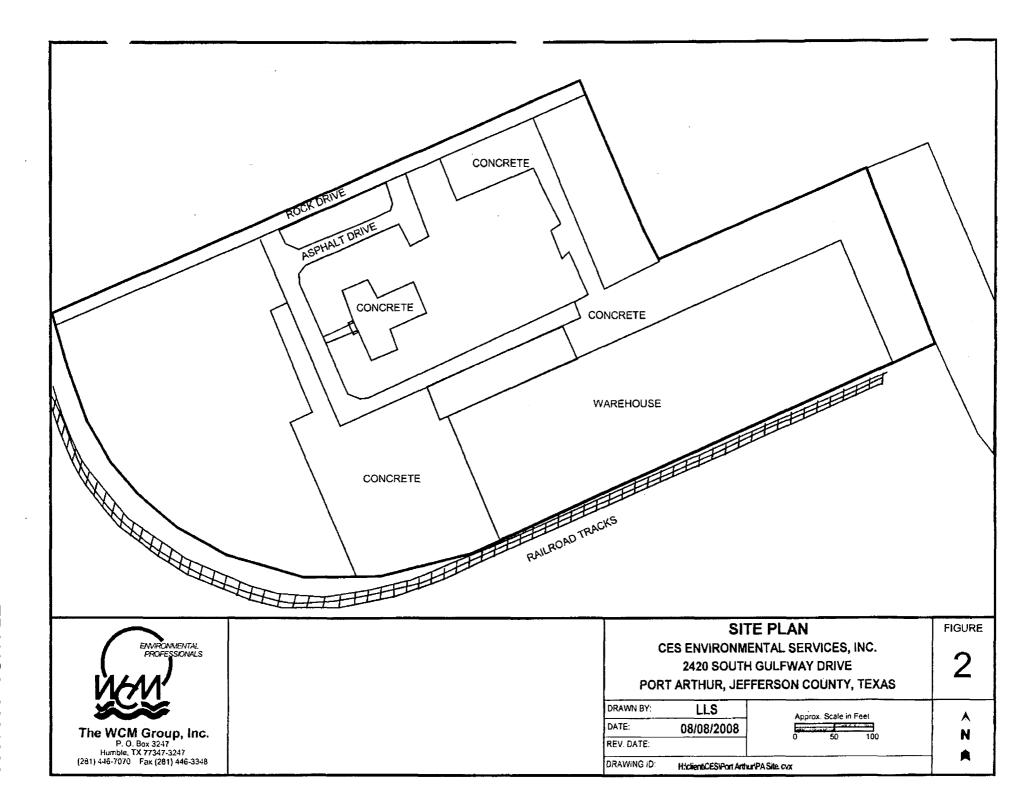


FIGURE 3 EQUIPMENT LAYOUT

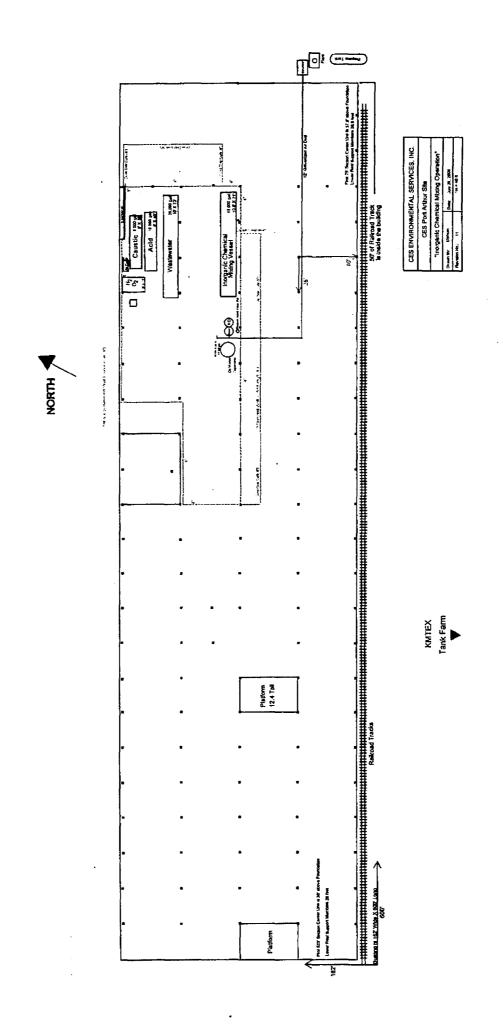


FIGURE 4 PROCESS FLOW DIAGRAM

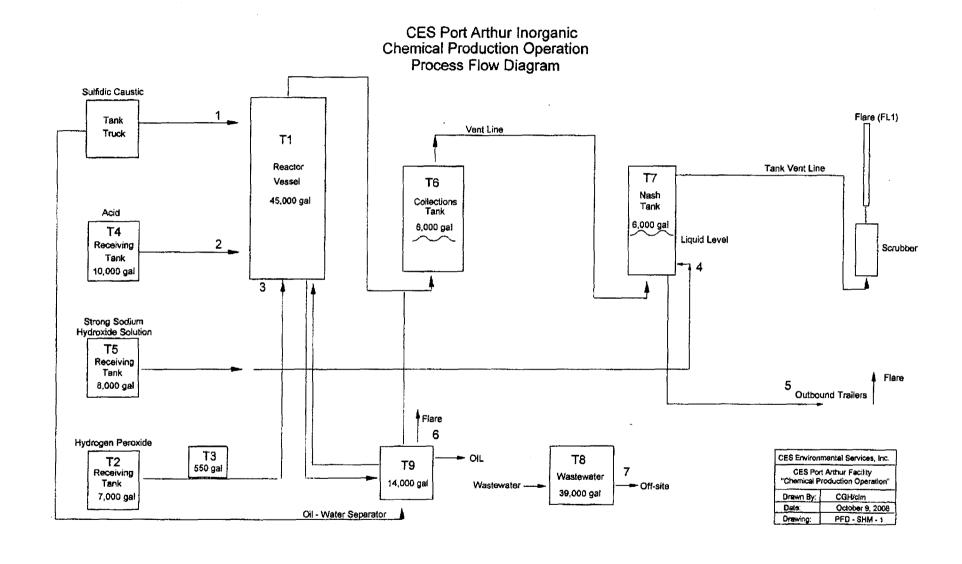
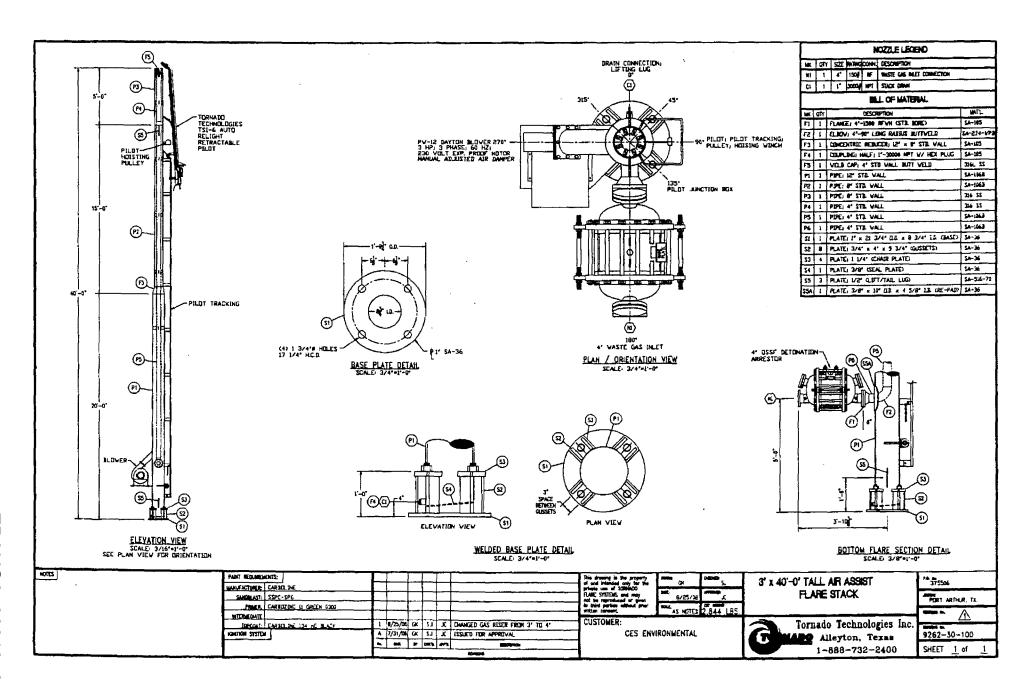


FIGURE 5 TORNADO FLARE SCHEMATIC





5854 IH 10 Alleyton, TX 78935 Phone: 979-732-8193

Fax: 979-732-2393 Toll Free: 888-732-2400

E-Mail: g_kazmir@tornadotech.com Web Site: www.tornadotech.com

Re: 4" x 40'-0" Tall Air Assist Flare Tornado Quotation No.: 0000-08-07-10

REV. 2

DESIGN DATA (INERT CASE):

Design Flow Rate: 264 SCFM

Make up Gas (Propane) added to Waste Gas Stream to get the heating value up to 300 btu/scf

with the design flow rate of 264 scfm: 39.3 scfm

Waste Gas Composition: Inert Vapors

Mole Wt: 28.0134

Design Temperature: 100 Degrees F Allowable Pressure Drop: 2 PSI.

Pressure Drop across Flare and 4" OSSF Detonation Arrestor: 7.3" W.C.

DESCRIPTION OF FLARE

- > Self Supported Design (100 mph wind speed)
- ➤ SA-36 Carbon Steel Base Plate with Gussets
- > Carbon Steel main Structure
- ➤ 304 Stainless Steel Flare Tip Section Both for the Waste Gas Riser and the Air Annulus Tip
- ➤ 4"-150# RF Waste Gas Inlet Connection
- > Tornado's Standard 2 Coat Paint System (Top Coat Color: Gloss Black)
- > 1" x 2" Pilot Tracking System to raise and lower the pilot
- ➤ One (1) Dayton Blower 3 HP, 3 Phase, 60 HZ, Explosion Proof 230 Volt Motor (Blower C/W Manual Outlet Damper, and Inlet Screen) Motor Starter by Client

Note: This blower will be a single speed blower with a manual operated outlet damper that is adjusted according to the amount of air needed to give a clean burn.

Description of a TSI-6 TPMR-A Natural Gas Retractable Pilot System:

The Tornado TSI-6 natural gas Retractable pilot, C/W relight capabilities. The standard Tornado retractable pilot, model TSI-6 is manufactured to mount on the Tornado Flare Stack Tracking System. This allows you to raise and lower the pilot from grade level to the flare tip with a simple hoisting winch, saving you the expense of man lifts and or cranes, should your pilot ever need repair. This pilot will come with Fuel Hose and 16-4 SOW Electrical Cable. This pilot operates on a natural gas fuel supply of 12-15 psig and consumes approximately 20 scfh. (Extremely fuel-efficient compared to the other pilot systems on the market.) A Silicon Carbide nozzle assembly is mounted at the tip of the pilot with horizontal ports allowing fine blue flames to protrude into the waste gas stream. The Tornado Pilot Assembly consists of the following:

- > Silicon Carbide Nozzle Assembly
- > 310 Stainless Steel Nozzle Mounting Plate and Nozzle Cage
- > 304 Stainless Steel, 2" Diameter Main Body Assembly (Ignitor Head)
- > 304 Stainless Steel, 3" Diameter Air Inlet Housing
- ➤ ¼" Fuel Gas Inlet
- > Internal Stainless Steel Tubing, Venturi and Mixer Assemblies

An Automatic Re-Light Package is mounted "piggyback" on this pilot system. The automatic re-light system consists of the following components:

- ✓ Flame Front Solenoid Valve
- ✓ NEMA 4 Transformer Enclosure
- ✓ NTK® Spark Transformer
- ✓ Tornado 4M4 Spark Electrode With Wire and Boot
- ✓ 1" Stainless Steel Flame Front Tube
- ✓ Stainless Steel Tubing with Air Intake Chamber, Orifice, and Venturi

The provided 1/4" flexible fuel hose will connect to the fuel gas inlet connection on the pilot and runs down to the base of the stack, connecting to a Regulator, provided by Tornado. The provided 16-4 SOW Cable runs from the Transformer mounted on the Pilot, to the junction box mounted at the base of the flare. Two of the wires in this cable serve as thermocouple wires and the remaining two serve as power for the solenoid and spark transformer. You as the client will supply the wiring from the Control Panel to the Junction Box mounted at the base of the flare.

A 110 Volt Pilot Control Panel is included to light and monitor the pilot. A Timer, temperature switch, relays, terminals, etc. are mounted inside a NEMA 4X, non-metallic enclosure, for "unclassified" electrical areas. The control panel monitors the pilot via a type "k" thermocouple mounted in the pilot nozzle. The system will attempt a relight sequence, should the pilot be extinguished, for a set time period. If the pilot fails to relight, a red pilot fail indicator will illuminate. The pilot control panel includes a power on/off switch, three-position selector switch (hand/off/auto), white power on lamp, a green pilot prove lamp, and a red pilot fail lamp.

DESCRIPTION OF THE DETONATION ARRESTOR

Tornado Technologies OSSF Sure Stop Detonation Arrestors are passive devices that have been designed to prevent the propagation of flame fronts back through transmission lines and piping configurations.

Tornado Detonation Arrestors (DA's) allow gas or vapor to pass through, but will stop dead even supersonic explosions. Our unique patented flame-quenching cell is unlike any in the industry.

Most DA manufacturers use conventional crimped-ribbon Flame Arrestor cells and simply stack multiple cells together. Tornado spent countless hours of research to develop a patented alumina ceramic media system. The oxidization and corrosion-proof beads act as a maze to the flame, allowing total protection and the longest continuous burn ratings in the industry.

The 4" OSSF Detonation Arrestor will include the following features:

- Carbon Steel Flame Cell Housing
- 304 Stainless Steel Flame Cell Grids
- Alumina Ceramic Flame Quenching Media (Beads)
- Carbon Steel Threaded Couplings for Differential Pressure, Temperature Monitoring, Media Fill and Drain
- 4"-150LB Carbon Steel Raised Face Inlet/Outlet Connections (Bi-Directional)
- United States Coast Guard Accepted, Type I Burn Endurance Tested (2 Hour Burn Time)
- Meets and Exceeds CSA-Z343 Rev 12
- Gas Classifications: NEC Group C and D Gasses
- Removable Flame Cell, Cleanable to "As New" Condition if Performed by Tornado Technologies, Inc.

New Source Review (NSR) Air Permits Change of Name/Ownership Request Form

Previous Name of the Owner or Operator of the Facilities or Equipment:

Name: CES Environmental Services, Inc.

Name of the New Owner or Operator of the Facilities or Equipment (Legal Entity Name that the permit or registration will be changed to)

Name: Port Arthur Chemical Environmental Services, LLC

Effective Date of the change of Name/Ownership/Operator of the Facilities or Equipment:

10/14/2008

Responsible Official Contact Information (TCEQ response will be mailed to this person)

Name: Matt Bowman

Title: President

Mailing Address: 4904 Griggs Road, Houston, TX 77021

Phone No.: 713-676-1460 Fax No.: 713-676-1676

E-mail Address: mbowman@cesenvironmental.com

List each NSR Air Permit/Registration Number associated with the purchase of the facilities or equipment:

Reg 86173, Project 141597

Conditions for Change of Ownership under 30 TAC § 116.110(e):

• The new owner agrees to be bound by all the permit conditions and all representations made in the permit and any amendments and alterations.

mitt Bown

- The new owner asserts there will be no change in the type of pollutants emitted.
- The new owner asserts there will be no increase in the quantity of pollutants emitted.

Authorization

Signature of Responsible Official:

Print Name of Responsible Official: Matt Bowman

Title: President

Date: 11/12/2008

The requested information above is required and cannot be processed if it is not completed.

This form is to be filled out by the <u>new owner</u> of the facilities or equipment that is authorized by an NSR Air permit or registration. Attach a core data form (TCEQ Form No. 10400) for each RN/account number. You may obtain a copy of the core data form at <u>www.tceq.state.tx.us/comm_exec/forms_pubs/search_forms.html</u>. The new owner is responsible for any upcoming permit renewal requirements.

If you are a Title V Federal Operating Permit holder requesting a change of name/ownership, Title 30 TAC § 122.211 requires that changes to the permit identification of ownership or operational control of a site are an administrative revision to the permit. In order to facilitate the administrative revision, please submit the following forms: OP-2 and OP-CR01. Also, make sure the information requested on form OP-1 sections I, II A and B, and VI is submitted in the revision application along with an indication of permit responsibility, coverage, and liability between the old and new permit holder.

5330018.NSRWks.doc



November 12, 2008

Ms. Jennifer Beatty
Permits Initial Review Team (APIRT) MC-161
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
12100 Park 35 Circle
Austin, TX 78753

LONE STAR OVERNIGHT AIRBILL NUMBER 41915487

Reference:

Air Permit Application - Revised PI-1

Project No. 141597

Port Arthur Chemical & Environmental Services, LLC

2420 Highway 87 South

Port Arthur, Jefferson County, Texas 77640

Dear Ms. Beatty:

On behalf of Port Arthur Chemical & Environmental Services, LLC, please find enclosed a revision PI-1 form for the permit application to authorize the production of sodium hydrosulfide under 30 TAC Chapter 116. A copy of the revised TCEQ Core Data form is also enclosed.

If you have questions regarding this application or require further information, please do not hesitate to contact Mr. Matt Bowman at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans

Director, Technical Services

Rlip B. Evans

PBE/nb 27259:5330018.let.doc

Enclosure

cc: M. Bowman

H. Ross - TCEQ Region 10



<u>Update</u>: The TCEQ requires that a Core Data Form be submitted on all incoming applications unless a Regulated Entity and Customer Reference Number have been issued by the TCEQ <u>and</u> no core data information has changed. For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ Web site at www.tceq.state.tx.us/permitting/central_registry/guidance.html.

I. APPLICANT INFORMATION							
A. Company or Other Legal Name: Port Arthur Chemical & Environmental Services, LLC							
Texas Secretary of State Charter/Registrati	on Number (if applicable): 801104046	53					
B. Company Official Contact Name: Mat	t Bowman	-					
Title: President							
Mailing Address: 4904 Griggs Road		-					
City: Houston	State: TX		Zip Code: 77021				
Telephone No: 713-676-1460	Fax No.: 713-676-1676)	ail Address: wman@cesenvironmental	com			
C. Technical Contact Name: Philip Evan	ns .						
Title: Director Technical Services							
Company Name: The WCM Group, Inc.							
Mailing Address: PO Box 3247	Mailing Address: PO Box 3247						
City: Humble	State: Texas		Zip Code: 77347				
Telephone No.: 281-446-7070	Telephone No.: 281-446-7070 Fax No.: 281-446-3348 E-mail Address:pevans@wcmgroup.com						
D. Facility Location Information:							
Street Address: 2420 Highway 87 South							
If no street address, provide clear driv	ing directions to the site in writing:						
From State Highway 83, south on State Hi	ghway 87 for approximately 2.5 miles.						
City: Port Arthur	County: Jefferson		Zip Code: 77640				
E. TCEQ Account Identification Number	r (leave blank if new site or facility):						
F. Is a TCEQ Core Data Form (TCEQ For	orm No. 10400) attached?			⊠ YES □ NO			
G. TCEQ Customer Reference Number (leave blank if unknown):						
H. TCEQ Regulated Entity Number (leave	ve blank if unknown): RN105156111						
II. IMPORTANT GENERAL INFORMATION							
A. Is confidential information submitted	with this application?			☐ YES 🛛 NO			
If "YES," is each "confidential" page	marked "CONFIDENTIAL" in large	red let	tters?	☐ YES ☐ NO			

TCEQ 10252 (Revised 07/08) PI-1-Forms This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5171 v10)



n.	II. IMPORTANT GENERAL INFORMATION (continued)							
В.	Is this application in response to a TCEQ inve-		☐ YES ☒ NO					
	If "YES", attach a copy of any correspondence							
C.	Number of New Jobs: 10							
D.	Names of the State Senator and district number	er for this facility s	site: Senator Kyle Jan	nek 17				
	Names of State Representative and district nur	mber for this facili	ity site: Representati	ve Alan Ritte	er 21			
E.	For Concrete Batch Plants, name of the Count	y Judge for this fa	cility site:					
Ma	iling Address:							
Cit	y:	State:		Zip Code:				
F.	For Concrete Batch Plants, is the facility locat municipality?	ed in a municipali	ty or an extraterritor	ial jurisdictio	on of a	☐ YES ☐ NO		
	If "YES," list the name(s) of the Presiding Officer(s) for this facility site:							
Ma	iling Address:				····			
Cit	City: Zip Code:							
т.	FACILITY AND SOURCE INFORMA	ATION						
A.	Site Name: Port Arthur Chemical & Environm	nental Services, Ll	LC					
B.	Area Name/Type of Facility: Port Arthur Cher	mical & Environn	nental Services, LLC		Perman	ent 🗌 Portable		
C.	Principal Company Product or Business: Cher	nical Manufacturi	ng					
	Principal Standard Industrial Classification Co	ode: 2819						
D.	Projected Start of Construction Date: October	2008	Projected Start of C	peration Da	te: Novembe	er 2008		
IV.	IV. TYPE OF PERMIT ACTION REQUESTED							
A.	A. Permit Number (if existing): N/A							
B.	Is this an initial permit application?					⊠ YES □ NO		
	If "YES," check the type of permit requested (check all that apply): State Permit Nonattainment Federal Permit Flexible Permit Prevention of Significant Deterioration Federal Permit Multiple Plant Permit Hazardous Air Pollutants Permit Federal Clean Air Act § 112(g) Other:							



IV. TYPE OF PERMIT ACTION REQUESTED (continued)					
C. Is this a permit amendment?				☐ YES ⊠ NO	
If "YES," check the type of permit requested (check all that apply): State Permit Amendment Flexible Permit Amendment Multiple Plant Permit Amendment Nonattainment Major Modification Prevention of Significant Deterioration Major Modification Hazardous Air Pollutants Permit Federal Clean Air Act § 112(g) Modification Other:					
D. Is a permit renewal application being submitted in conjunction with this amendment in accordance with Senate Bill 1673? [THSC 382.055(a)(2)](80 th Legislative)				☐ YES ☒ NO	
E.	Is this application for a change in location of previously permitted facilities?			☐ YES ☒ NO	
If"	If "YES," answer E. 1. and E. 2.				
1.	Current location of facility:				
Street Address (If no street address, provide clear driving directions to the site in writing.):					
City: C		County:	Zip Code:		
2.	Will the proposed facility, site, and plot plan meet all current technical requirements of the permit special conditions?			☐ YES ☐ NO	
	If "NO," attach detailed information.				
F.	Are there any standard permits, exemptions or permits by rule to be consolidated into this permit?			☐ YES ☒ NO	
G.	Are you permitting a facility or group of facilities that have planned maintenance, startup and shutdown emissions that cannot be authorized by a permit by rule or standard permit or that are authorized by a permit by rule or standard permit and are being rolled into this permit?			☐ YES ⊠ NO	
	If "YES," attach information on any changes to emissions under this application as specified in Section VIII. and Section IXX.				
If "YES," answer G. 1 through G. 3.					
1.	Are the activities to be included in this permit covered by any previously existing MSS authorizations?			☐ YES ☒ NO	
	If "YES," provide a listing of all other authorizations (permit by rule or standard permit and the associated registration number if any).				
2.	Have the emissions been previously submitted as part of an emissions inventory?			☐ YES 🖾 NO	
3.	3. List which years the MSS activities were included in emissions inventory submittals:				



IV.	TYPE OF PERMIT ACTION REQUESTED (continu	ed)			
Н.	Federal Operating Permit Requirements (30 TAC Chapter 122	Applicability)	☐ YES	⊠ NO □	To be Determined
	Is this facility located at a site required to obtain a federal of 30 TAC Chapter 122?	perating permit under			
1.	Identify the requirements of 30 TAC Chapter 122 that will be	triggered if this PI-1 applic	ation is ap	proved.	
	FOP Significant Revision 🗌 FOP Minor 🔲 Application for an	n FOP Revision			
	Operational Flexibility/Off-Permit Notification Streamlined	Revision for GOP To	be determi	ned 🛛 No	one
2.	Identify the type(s) of FOP(s) issued and/or FOP application(s	s) submitted/pending for the	e site (che	ck all that	apply)
	SOP GOP GOP application/revision application: submi	tted or under APD review			
	SOP application/revision application: submitted or under APD	review N/A			
v.	PERMIT FEE INFORMATION				
A.	Fee paid for this application:				\$ 900
1.	Is a copy of the check or money order attached to the original	submittal of this application	n?	⊠ YES	□ NO □ N/A
2.	Is a Table 30 entitled, "Certification of estimated Capital Cost	and Fee Verification," atta	iched?		YES □ NO
VI.	PUBLIC NOTICE APPLICABILITY				
A.	Is this a new permit application?				☑ YES □ NO
В.	Is this an application for a major modification of a PSD, NA o	or 30 TAC § 112(g) permit	}		☐ YES ☒ NO
C.	Is this a state permit amendment application?				☐ YES 🖾 NO
If"	YES," answer C. 1. through C. 3.				
1.	Is there any change in character of emissions in this application	on?			☐ YES ☐ NO
	Is there a new air contaminant in this application?				☐ YES ☐ NO
2.	Do the facilities handle, load, unload, dry, manufacture, or profibers (agricultural facilities)?	ocess grain, seed, legumes,	or vegetal	oles	☐ YES ☐ NO
3.	List the total annual emission increases associated with the ap Volatile Organic Compounds (VOC): tpy Sulfur Dioxide (SO ₂): tpy Carbon Monoxide (CO): tpy Other air contaminants not listed above: tpy	y Particulate Matter (P y Lead (Pb): y Nitrogen oxides (NO	M):		



VI. PUBLIC NOTICE APPLICABIL	ITY (continued)				
D. Is this a change of location application?					☐ YES ☒ NO
If "YES," answer D. 1. through D. 3.					
1. Is the new facility site located in or cont	iguous to the right-of-w	vay of a public	works p	project?	☐ YES ☐ NO
2. Is there a permitted facility occupying the	ne new site?				☐ YES ☐ NO
If "YES," please list the permit number:					
3. Have portable facilities occupied the new	w site at any time in the	last two years	?		YES NO
VII. PUBLIC NOTICE INFORMATI	ON (complete if applic	able)			
A. Responsible Person:					
Name: Matt Bowman		Title: Presider	nt		
Mailing Address: 4904 Griggs Road					
City: Houston	State: Texas			Zip Code: 77021	
Telephone No.: 713-676-1460	Fax No.:713-676-1676	5	E-mail Addres	s:mbowman@cesevir	onmental.com
B. Technical Contact:					
Company Name: The WCM Group, Inc.					
Name: Phil Evans		Title: Directo	r		
Mailing Address: PO Box 3247					
City: Humble	State: TX			Zip Code: 77347	
Telephone No.: 281-446-7070	Fax No.: 281-446-334	8	E-mail	Address: pevans@wc	mgroup.com
C. Application in Public Place:					
Name of Public Place: Port Arthur Public L	ibrary				
Physical Address: 4615 9th Ave	City: Port Arthur			County: Jefferson	
The public place has granted authorization to	place the application i	for public view	ing and	copying?	⊠ YES □ NO
D. Is a bilingual program required by the	Texas Education Code	in the School	District	?	⊠ YES □ NO
Are the children who attend either the eligible to be enrolled in a bilingual p			chool cl	osest to your facility	⊠ YES □ NO
If yes, which language is required by	the bilingual program?		Spani	sh	☐ YES ☐ NO



VII	II. SMALL BUSINESS CLASSIFICATION (required)	
A.	Does this company (including parent companies and subsidiary companies) have fewer than 100 employees or less than \$6 million in annual gross receipts?	☐ YES 🛭 NO
В.	Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program?	☐ YES ⊠ NO
C.	Are the site emissions of any individual air contaminant greater than 50 tpy?	☐ YES 🖾 NO
D.	Are the site emissions of all air contaminants combined greater than 75 tpy?	☐ YES ☒ NO
IX.	TECHNICAL INFORMATION	·
A.	Is a current area map attached?	☑ YES ☐ NO
Are	any schools located within 3,000 feet of this facility?	☐ YES ⊠ NO
B.	Is a plot plan of the plant property attached?	☑ YES ☐ NO
C.	Is a process flow diagram and a process description attached?	☑ YES □ NO
D.	Maximum Operating Schedule: 16 Hours/Day 5 Days/Week 52 Weeks/Year	
Sea	sonal Operation?	☐ YES ⊠ NO
If"	YES," please describe	
E.	Are worst-case emissions data and calculations attached?	⊠ YES □ NO
1.	Is a Table 1(a) entitled, "Emission Point Summary Table," attached?	⊠ YES □ NO
2.	Is a Table 2 entitled, "Material Balance Table," attached?	⊠ YES □ NO
3.	Are equipment, process, or control device tables attached?	⊠ yes □ no
F.	Are actual emissions for the last two years (determination federal applicability) attached?	☐ YES ☒ NO
X.	STATE REGULATORY REQUIREMENTS Applicants must be in compliance with all applicable state regulations to obtain a permit or amendment	ut.
A.	The emissions from the proposed facility will comply with all rules and regulations of the TCEQ and details are attached?	☑ YES ☐ NO
В.	The proposed facility will be able to measure emissions of significant air contaminants and details are attached?	⊠ YES □ NO
C.	A demonstration of Best Available Control Technology (BACT) is attached?	⊠ YES □ NO
D.	The proposed facilities will achieve the performance in the permit application and compliance demonstration or record keeping information is attached?	☑ YES ☐ NO
E.	Is atmospheric dispersion modeling attached?	☐ YES ☒ NO



X.	STATE REGULATORY REQUIREMENTS (continued) Applicants must be in compliance with all applicable state regulations to obtain a permit or amen	ndment.
F.	Does this application involve any air contaminants for which a "disaster review" is required?	☐ YES ⋈ NO
	If "YES," details must be attached.	
	e: For a list of air contaminants for which a "disaster review" will be required, refer to the NSRPD D nument at <u>www.tceq.state.tx.us/permitting/air/rules/federal/63/63hmpg.html</u> .)isaster Review Guidance
G.	Is this facility or group of facilities located at a site within an Air Pollutant Watch List (APWL) area?	☐ YES ☒ NO
If"	YES," answer G. 1. through G. 3.	
1.	List the APWL Site Number	
2.	Does the site emit a pollutant of concern for the APWL area in which the site is located?	☐ YES ☐ NO
3.	If "YES," list the pollutant(s) of concern emitted by this site:	
Н.	Is this facility or group of facilities located at a site within the Houston/Galveston nonattainment area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, or Waller Counties)	? ☐ YES ☒ NO
1.	Does the facility or group of facilities located at this site have an uncontrolled design capacity to emit 10 tpy or more of NO_X ?	YES NO
2.	Is this site subject to 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emissions Cap and Trade)? YES NO
3.	Does this action make the site subject to 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emiss Cap and Trade)?	sions YES NO
4.	Does this action require the site to obtain additional emission allowances?	☐ YES ☐ NO
XI.	FEDERAL REGULATORY REQUIREMENTS Applicants must be in compliance with all applicable federal regulations to obtain a permit the following questions is answered "YES, the application must contain detailed attachments a identify federal regulation Subparts, show how requirements are met, and include compliance	ddressing applicability,
A.	Does a Title 40 Code of Federal Regulations Part 60, (40 CFR Part 60) New Source Performance Standard (NSPS) apply to a facility in this application?	☐ YES ☒ NO
В.	Does 40 CFR Part 61, National Emissions Standard for Hazardous Air Pollutants (NESHAP) apply to facility in this application?	YES NO
C.	Does a 40 CFR Part 63, Maximum Achievable Control Technology (MACT) standard apply to a facil in this application?	lity YES NO
D.	Does nonattainment permitting requirements apply to this application?	☐ YES ☒ NO
E.	Does prevention of significant deterioration permitting requirements apply to this application?	☐ YES 🖾 NO
F.	Does Hazardous Air Pollutant Major Source [FAA § 112(g)] requirements apply to this application?	☐ YES ☒ NO
хп	. COPIES OF THIS APPLICATION	
A.	Has the required fee been sent separately with a copy of this Form PI-1 to the TCEQ Revenue Section? (MC 214, P.O. Box 13088, Austin, Texas 78711).	⊠ YES □ NO □ NA

TCEQ 10252 (Revised 07/08) PI-1-Forms
This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5171 v10)



XII. COPIES OF THIS APPLICATION (continued)	
B. Are the Core Data Form, Form PI-1, and all attachments being sent to the TCEQ in Austin?	☑ YES ☐ NO
OPTIONAL: Has an extra copy of the Core Data Form, Form PI-1 and all attachments been sent to the TCEQ in Austin? If "YES," please mark this application as "COPY."	☐ YES ⊠ NO
C. Is a copy of the Core Data Form, the Form PI-1, and all attachments being sent to the appropriate TCEQ regional office	☑ YES ☐ NO
D. Is a copy of the Core Data Form, the Form PI-1, and all attachments being sent to each appropriate local air pollution control program(s)?	☑ YES ☐ NO
List all local air pollution control program(s):	
E. Is a copy of the Core Data Form, Form PI-1, and all attachments (without confidential information) being sent to the EPA Region 6 office in Dallas, Texas? (federal applications only)	☐ YES ☒ NO
F. This facility is located within 100 kilometers of the Rio Grande River and a copy of the application was sent to the International Boundary Water Commission (IBWC):	☐ YES ⊠ NO
G. This facility is located within 100 kilometers of a federally-designated Class I area and a copy of the application was sent to the appropriate Federal Land Manager:	☐ YES ⊠ NO
XIII. PROFESSIONAL ENGINEER (P.E.) SEAL	
Is the estimated capital cost of the project greater than \$2 million dollars?	☐ YES ☑ NO
If "YES," the application must be submitted under the seal of a Texas licensed Professional Engineer (P.E.).	
XIV. DELINQUENT FEES AND PENALTIES	
Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Offi General on behalf of the TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol." For more regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: www.tceq.state.tx.us/agency/delin/index	ore information
XV. SIGNATURE Trutt Bowen	
The signature below confirms that I have knowledge of the facts included in this application and that these facts to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project f is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7, Texas Clean Air amended, or any of the air quality rules and regulations of the Texas Commission on Environmental Quality or governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signat this application meets all applicable nonattainment, prevention of significant deterioration, or major source of h permitting requirements. I further state that I have read and understand TWC §§ 7.177-7.183, which defines CR OFFENSES for certain violations, including intentionally or knowingly making or causing to be made false mat representations in this application, and TWC § 7.187, pertaining to CRIMINAL PENALTIES.	for which application Act (TCAA), as any local ture indicates that azardous air pollutant AMNAL
NAME: Matt Bowman SIGNATURE: DA Original Signature Required	TE: <u>11/12/20</u> 08

TCEQ 10252 (Revised 07/08) P1-1-Forms
This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5171 v10)



TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175. **SECTION I:** General Information

DEC LIOI	11. 00	iei ai illioi mat	LUIX										
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ion (If other is check											
		tration or Authorization							rogram ap	oplicatio	on)		
	<u> </u>	ata Form should be su				<u>' </u>		Other					
2. Attachmei	'	Describe Any Attacl	nments: (i	ex. Title V A	pplication	n, Was	ste Trans	sporter A	pplication,	etc.)			
⊠Yes	□No	PI-1		F. H	lintata a				1 =	5.		. /'2 1	
	Hererence	Number (if issued)		Follow this for CN or F					-		nce Numbe	(IT I	ssuea)
CN					Registry		R	N 105	156111		A. D.		
SECTION	II: Cı	<u>ıstomer Inforn</u>	<u>nation</u>										
		ustomer Information	 										
 	Role (Prop	osed or Actual) - as it re	elates to the					. Please	check only	one of	the following:		
Owner	1	Operator		_	wner &	•							
Occupatio			e Party —————	V	oluntary	Clea	nup Ap	plicant		other:			
7. General C		nformation			· · · · · · · · · · · · · · · · · · ·							· 	·
New Cust				date to Cu		inform	nation			•	Regulated E	intity	Ownership
	•	ne (Verifiable with the		•	,					Change	<u>2**</u>		
"IT "NO Chai	nge and	Section I is complete	, skip to S				ntity ir	normat	ion.				uur.
8. Type of Cu	ıstomer:	☐ Corporation		lı	ndividua	ıl		<u> </u>	Sole Prop	rietorst	ip- D.B.A		
☐ City Gove	rnment	County Govern	ment		ederal (Gover	nment		State Gov	ernmer	nt		
Other Go	vernment	General Partne	ership		imited F	artne	ership		Other:	Limit	ed Liability	/ Co	mpany
9. Customer	Legal Na	ne (If an individual, print	last name fi	rst: ex: Doe	John)		new Cu elow	ıstomer,	enter prev	rious Cu	<u>ıstomer</u>	1	End Date:
Port Arthu	ır Chem	ical & Environm	ental Se	rvices, I	LC	Ī							
	4904 C	riggs Road											
10. Mailing													
Address:	City	TT		T 61-1-	TYZ	I	710	7703	1		7ID . 4	Γ.	
	City	Houston		State	TX		ZIP	7702			ZIP + 4		
11. Country	Mailing In	formation (if outside US	A)	v			~		(if applicab		4.1		
13. Telephor	e Numbe		1 1	4. Extensi			owma	n@ce			tal.com r (if applicab	2(0)	
(713) 67				T. EXCENSI	on or o	Juc					-1676	10)	
16. Federal 7		its) 17. TX State Fra	anchise Ta	X ID (11 dig	its) 1	18. DI	JNS Nu	mber <i>(if</i>				Nur	nber (if applicable)
26-358896		1263588960									1040463	r	
20. Number	of Employ	ees			,			_	21. ln	depend	dently Owner	ed an	d Operated?
0-20	21-100	□ 101-250 □	251-500		nd highe	er					Yes		No
SECTION	· III: Þ	egulated Entit	y Infor	mation									
		Entity Information (/				lecte	d below	this for	n should	be acco	mpanied by	a De	rmit application)
New Reg									Entity Info			•	nge** (See below)
		**If "NO CHANGE		•				-	•		_		<u> </u>
23. Regulate	d Entity N	ame (name of the site w	where the reg	julated actic	n is takir	ng plad	ce)						
Port Arthu	ır Chem	ical & Environm	ental Se	rvices, I	LC								

TCEQ-10400 (09/07) Page 1 of 3

, e . 										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
24. Street Addres		2420	Highway 87	Sout!)								
Entity:													
(No P.O. Boxes)	C	City	Port Arthur		State	TX	ZI	IP	77640		Z	IP + 4	
	4	1904	Griggs Road	d	•								
25. Mailing													
Address:	\	`	TY		State	TEXT.	7.		77001			''D 4	
		ity	Houston			TX	Z	P	77021			IP + 4	<u> </u>
26. E-Mail Addres		mb	owman@ces	senviro				00	F A1				
27. Telephone No					28. Extensio	n or Code			Fax Num		cable)		
(713)767-14			1			32. Prima	n NA	•	13) 670 Code		conda	ry NAICS	Code
30. Primary SIC (Code (4	digits)	31. Seconda	ry SIC C	ode (4 digits)	(5 or 6 digits	<u>)</u>		,	(5 or 6 c	ligits)		
2819			2992			325188				3241	91		
34. What is the P			·-·-	ty? (P)	lease do not rep	eat the SIC o	or NAIC	S des	cription.)				······································
chemical man			,										
	Que	stions	s 34 – 37 addres	s geogr	aphic location	n. Please	refer to	the	instruction	ons for ap	plicab	ility.	
35. Description to Physical Location		rom	State Highv	vay 83	, go south	on State	High	way	87 for	approx	imate	ly 2.5 1	miles.
36. Nearest City					County			S	state			Nearest	ZIP Code
Port Arthur					Jefferson			ן	ſΧ			77336	
37. Latitude (N)	In Deci	mal:				38. Loi	ngitude	e (W)	In Dec	imal:			
Degrees	Mi	nutes		Seconds		Degrees			Min	utes		Sec	onds
29	49	9	_	47.71		93			57			48	.15
39. TCEQ Program	s and I	D Nur	m bers Check all Pr	ograms an	d write in the per	mits/registration	n numbe	rs that	t will be affect	cted by the u	pdates si	ubmitted or	this form or the
pdates may not be mad	le. If your			k other and	T								
☐ Dam Safety		┤┺	Districts		Edwards	Aquirer		IX) IN	dustrial Ha	zardous vv	aste	Iviunio	cipal Solid Waste
New Source Rev	iow - Al	+] OSSF		Petroleur	m Ctorona To	nk l	□ PI	MC		-	Sludg	n Tirac
M Mew Source Her	NEW - AI	<u> </u>	J 0001			II Storage 1a	iin :	<u> </u>	<u> </u>	-		Sind	e 11165
Stormwater		\dashv_{\vdash}	Title V – Air		Used Oil			U	tilities			□ Volu	ntary Cleanup
		+-	1 1/00 A VII						(111100)				mary Oreamp
☐ Waste Water		+] Wastewater Agri	culture	☐ Water F	Rights			ther.			Other	
	·-·	_						<u> </u>					
SECTION IV	7: Pro	 epar	er Inform:	ation	<u> </u>								
	il Eva						41. Ti	tie:	Dire	ctor, Te	echnic	al Ser	vices
42. Telephone Nu		Ī	43. Ext/Code	44	1. Fax Numbe	·····································			il Addres				
(281)446-707				(281) 446-3	348			@wcm		om		····
SECTION V		thor	ized Signa							 	_		
16. By my signate and that I have sign pdates to the ID a	ure belo nature	ow, I autho	certify, to the l	pest of r this for									
See th e Core Dat	ta Forn	ı inst	ructions for m	ore infe	ormation on	who shoul	d sign	this	form.)				
Company:	Port	Arth	ur Chemical			a1	Title:	T	residen	t			
Name (In Print):	Matt	Roy	vman			<u> </u>			ı	- Phone:	171	13)676	5-1460
Signature:		3	4 Ba	rust						Date:	1	31/200	
										Jaic.	10/	31/200	0

TCEQ-100400 (09/07)



Texas Comptroller of Public Accounts

SUSAN COMBS · COMPTROLLER · AUSTIN, TEXAS 78774

October 30, 2008

CERTIFICATE OF ACCOUNT STATUS

THE STATE OF TEXAS COUNTY OF TRAVIS

I, Susan Combs, Comptroller of Public Accounts of the State of Texas, DO HEREBY CERTIFY that according to the records of this office

PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES, LLC

is, as of this date, in good standing with this office having no franchise tax reports or payments due at this time. This certificate is valid through the date that the next franchise tax report will be due January 11, 2010.

This certificate does not make a representation as to the status of the entity's registration, if any, with the Texas Secretary of State.

This certificate is valid for the purpose of conversion when the converted entity is subject to franchise tax as required by law. This certificate is not valid for any other filing with the Texas Secretary of State.

GIVEN UNDER MY HAND AND SEAL OF OFFICE in the City of Austin, this 30th day of October 2008 A.D.

Susan Combs Texas Comptroller

Taxpayer number: 32038141019 File number: 0801040463

Form 05-304 (Rev. 12-07/17)

CES ENVIRONMENTAL SERVICES, INC. GRIGGS ROAD, HOUSTON, TEXAS

2007/2008 EMISSION RECORDS

Prepared by THE WCM GROUP, INC. Humble, Texas

CES ENVIRONMENTAL SERVICES, INC.

	Gallons	per Year
	2007	2008
OILY WATER	6,736,865	6,677,549
BASE OIL	976,827	258,526
SIB Wastewater	0	39,363
Methylene chloride mixture	35,770	0
Methylene chloride with Methanol mix	23,216	210,319

CES ENVIRONMENTAL SERVICES

2007 Year TOTAL	Recycle-Oily Water	6,736,865 gal
December	Recycle-Oily Water	495,562
November	Recycle-Oily Water	673,925
October	Recycle-Oily Water	741,619
September	Recycle-Oily Water	400,395
August	Recycle-Oily Water	416,286
July	Recycle-Oily Water	695,803
June	Recycle-Oily Water	548,762
May	Recycle-Oily Water	581,429
April	Recycle-Oily Water	588,794
March	Recycle-Oily Water	549,953
February	Recycle-Oily Water	443,393
January	Recycle-Oily Water	600,945

Generator	Job #	Job Date	Description	Qty	P	Qty	gal
Atlantic Industrial Services (Shreveport)	33072	01/02/07	Recycle-Oily Water	51,708	Р	6,463.5	
Ethyl Corporation	25251	01/02/07	Recycle-Oily Water	47,020	Р	5,877.5	
Hutchison Hayes International-Baytown	33052	01/02/07	Recycle-Oily Water	37,530	P	4,691.3	
J & D Oil Service	33151	01/02/07	Recycle-Oily Water	13,344	P	1,668.0	
Midstate Environmental Services LP	33130	01/02/07	Recycle-Oily Water	39,607	Р	4,950.9	
Turneco Oil Services	33170	01/02/07	Used Oil	37,530	Р	4,691.3	
Farouk Systems	32788	01/03/07	CESQ2192	33,360	P	4,170.0	
Holcomb Oil Recycling	32791	01/03/07	Recycle-Oily Water	48,030	P	6,003.8	
Midstate Environmental Services LP	33239	01/03/07	Recycle-Oily Water	52,542	P	6,567.8	
PGI International	33141	01/03/07	Recycle-Oily Water	16,680	P	2,085.0	
Select Environmental	33238	01/03/07	Oily water	45,870	P	5,733.8	
Hutchison Hayes International-Baytown	33262	01/04/07	Recycle-Oily Water	33,360	Р	4,170.0	
Select Environmental	33731	01/04/07	Oily water	37,113	Р	4,639.1	
Select Environmental	33285	01/04/07	Oily water	34,194	Р	4,274.3	
T3 Energy Services - Cypress	33024	01/04/07	Recycle-Oily Water	26,688	Р	3,336.0	
Turneco Oil Services	33332	01/04/07	Fuel Oil	18,348	P	2,293.5	
Ameriforge Corporation	33261	01/05/07	Recycle-Oily Water	44,202	P	5,525.3	
Forged Products	33448	01/05/07	Recycle-Oily Water	41,700	Р	5,212.5	
Hutchison Hayes International-Baytown	33263	01/05/07	Recycle-Oily Water	41,700	Р	5,212.5	
OEM	33193	01/05/07	Recycle-Oily Water	16,680	Р	2,085.0	
ОЕМ	33247	01/05/07	Recycle-Oily Water	459	P	57.4	
Proler Southwest	33295	01/05/07	Recycle-Oily Water	45,870	Р	5,733.8	
Proler Southwest	33296	01/05/07	Recycle-Oily Water	45,870	Р	5,733.8	
Select Environmental	33512	01/05/07	Oily water	30,024	Р	3,753.0	
Farouk Systems	33450	01/08/07	CESQ2192	12,510	Р	1,563.8	
Midstate Environmental Services LP	33581	01/08/07	Recycle-Oily Water	41,700	Р	5,212.5	
Atlantic Industrial Services	34691	01/09/07	Recycle-Oily Water	400	Р	50.0	
Ethyl Corporation	25255	01/09/07	Recycle-Oily Water	49,220	P	6,152.5	
Midstate Environmental Services LP	33646	01/09/07	Recycle-Oily Water	54,210	Р	6,776.3	
Farouk Systems	33605	01/10/07	CESQ2192	33,360	Р	4,170.0	
Lubrizol-Deer Park	33566	01/10/07	Recycle	35,000	Р	4,375.0	
Lubrizol-Deer Park	33565	01/10/07	Recycle	36,480	Р	4,560.0	
Proler Southwest	33640	01/10/07	Recycle-Oily Water	50,040	Р	6,255.0	
Proler Southwest	33638	01/10/07	Recycle-Oily Water	50,040	Р	6,255.0	
Proler Southwest	33639	01/10/07	Recycle-Oily Water	50,040	P	6,255.0	
Atlantic Industrial Services (Shreveport)	33641	01/11/07	Recycle-Oily Water	51,708	P	6,463.5	
Midstate Environmental Services LP	33886	01/11/07	Recycle-Oily Water	50,507	Ρ	6,313.4	
Select Environmental	33863	01/11/07	Oily water	50,040	P	6,255.0	
Ethyl Corporation	33924	01/12/07	Recycle-Oily Water	50,160	Р	6,270.0	
Farouk Systems	33743	01/12/07	CESQ2192	41,700	Р	5,212.5	
Holcomb Oil Recycling	33742	01/12/07	Recycle-Oily Water	43,476	P	5,434.5	
Select Environmental	33887	01/12/07	Oily water	43,368	Р	5,421.0	
Hutchison Hayes International-Baytown	33856	01/13/07	Recycle-Oily Water	26,688	Р	3,336.0	
Midstate Environmental Services LP	33925	01/13/07	Recycle-Oily Water	50,040	Р	6,255.0	
Atlantic Industrial Services (Shreveport)	33838	01/15/07	Recycle-Oily Water	51,708	Р	6,463.5	
			•	•			

Farouk Systems	33744	01/15/07	CESQ2192	45,870	P	5,733.8
Hutchison Hayes International-Baytown	33854	01/15/07	Recycle-Oily Water	41,700	P P	5,212.5
Midstate Environmental Services LP	33984	01/15/07	Recycle-Oily Water	54,210	P	6,776.3
Midstate Environmental Services LP	34047	01/16/07	Recycle-Oily Water	50,040	P	6,255.0
Midstate Environmental Services LP	34048	01/16/07	Recycle-Oily Water	50,932	P	6,366.5
Select Environmental	34064	01/16/07	Oily water	48,372	P	6,046.5
Farouk Systems	33750	01/17/07	CESQ2192	33,360	P	4,170.0
Greens Bayou Pipe Mill, LP	34011	01/17/07	Recycle-Oily Water	50,040	P	6,255.0
KMTEX	34062	01/17/07	Recycle-Oily Water	41,220	P	5,152.5
South Coast Terminals (East Ave S)	34125	01/17/07	N/A	11,676	· P	1,459.5
Ameriforge Corporation	33928	01/18/07	Recycle-Oily Water	19,940	P	2,492.5
Greens Bayou Pipe Mill, LP	34123	01/18/07	Recycle-Oily Water	5,004	P	625.5
Holcomb Oil Recycling	34103	01/18/07	Recycle-Oily Water	44,969	P	5,621.1
J.A.M. Distributing Co.	34141	01/18/07	recvele-oily water	41,700	P	5,212.5
J.A.M. Distributing Co.	34145	01/18/07	recvele-oily water	43,368	P	5,421.0
KMTEX	34061	01/18/07	Recycle-Oily Water	40,880	P	5,110.0
Proler Southwest	33955	01/18/07	Recycle-Oily Water	45,870	P	5,733.8
Proler Southwest	33954	01/18/07	Recycle-Oily Water	45,870	P	5,733.8
Sunbelt Machine Works Corporation	34058	01/18/07	Recycle-Oily Water	9,383	P	1,172.9
Energy Transfer/Houston Pipeline	34208	01/19/07	Recycle	32,826	P	4,103.3
Ethyl Corporation	25252	01/19/07	Recycle-Oily Water	48,500	P	6,062.5
Farouk Systems	33751	01/19/07	CESQ2192	41,700	P	5,212.5
Vetco Gray	34264	01/19/07	Recycle-Oily Water	4,500	P	562,5
Vetco Gray	34173	01/19/07	Recycle-Oily Water	25,020	P	3,127.5
Farouk Systems	34156	01/22/07	CESQ2192	29,190	P	3,648.8
GATX (Hearne)	34275	01/22/07	Recycle	39,198	P	4,899.8
Houston Grinding and Mfg.	34227	01/22/07	Recycle-Oily Water	8,340	P	1,042.5
Hutchison Hayes International-Baytown	34440	01/22/07	Recycle-Oily Water	16,680	P	2,085.0
Select Environmental	34234	01/22/07	Recycle-Gassy Water	20,850	P	2,606.3
Turneco Oil Services	34512	01/22/07	Used Oil	18,523	Р	2,315.4
Atlantic Industrial Services	34391	01/23/07	Recycle-Oily Water	28,956	P	3,619.5
Hutchison Hayes International-Baytown	33271	01/23/07	Recycle-Oily Water	25,020	Р	3,127.5
J & D Oil Service	34504	01/23/07	Recycle-Oily Water	12,510	Р	1,563.8
Lubrizol-Deer Park	34336	01/23/07	Recycle	36,560	P	4,570.0
tubrizol-Deer Park	34332	01/23/07	Recycle	34,780	P	4,347.5
T3 Energy Services - Cypress	34337	01/23/07	Recycle-Oily Water	25,020	P	3,127.5
Turneco Oil Services	34372	01/23/07	Fuel Oil	18,348	Ρ	2,293.5
Turneco Oil Services	34429	01/23/07	Oily water	5,838	Р	729.8
Turneco Oil Services	34373	01/23/07	Used Oil	18,406	P	2,300.8
Dresser Flow	34317	01/24/07	Recycle-Coolant	33,360	Р	4,170.0
Farouk Systems	34157	01/24/07	CESQ2192	41,700	P	5,212.5
GATX (Hearne)	34278	01/24/07	Recycle	41,700	P	5,212.5
Greens Bayou Pipe Mill, LP	34496	01/24/07	Recycle-Oily Water	4,170	Р	521.3
Greens Bayou Pipe Mill, LP	34394	01/24/07	Recycle-Oily Water	25,020	P	3,127.5
Holcomb Oil Recycling	34164	01/24/07	Recycle-Oily Water	43,868	Р	5,483.5
NOV Drilling Equipment (Lockwood)	34428	01/24/07	Recycle	20,850	P	2,606.3
Proier Southwest	34497	01/24/07	Recycle-Oily Water	41,700	P	5,212.5
Turneco Oil Services	34637	01/24/07	Used Oil	18,523	Р	2,315.4
Atlantic Industrial Services (Shreveport)	34502	01/25/07	Recycle-Oily Water	51,150	P	6,393.8
GATX (Hearne)	34579	01/25/07	Recycle	45,870	Р	5,733.8
Midstate Environmental Services LP	34692	01/25/07	Recycle-Oily Water	50,198	P	6,274.8
Proler Southwest	34500	01/25/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	34498	01/25/07	Recycle-Oily Water	41,700	P	5,212.5
Select Environmental	34694	01/25/07	Recycle-Oily Water	50,040	Р	6,255.0
Select Environmental	34676	01/25/07	Recycle-Oily Water	50,040	Р	6,255.0
Turneco Oil Services	34636	01/25/07	Used Oil	18,406	P	2,300.8
Ameriforge Corporation	34472	01/26/07	Recycle-Oily Water	37,530	Р	4,691.3
Commercial Metals	34704	01/26/07	Recycle-Oily Water	44,202	Р	5,525.3
Farouk Systems	34158	01/26/07	CESQ2192	43,368	P	5,421.0
Flex Oil Service	34998	01/26/07	Recycle	50,040	Ρ	6,255.0
1 & D Oil Service	34757	01/26/07	Recycle-Oily Water	12,510	Р	1,563.8

J & D Oil Service	34761	01/26/07	Recycle-Oily Water	12,510	P	1,563.8
KMCO, Inc.	34679	01/26/07	Recycle-Oily Water	37,296	P	4,662.0
Select Environmental	34762	01/26/07	Recycle-Oily Water	43,368	P	5,421.0
T3 Energy Services - Cypress	34582	01/26/07	Recycle-Oily Water	25,020	Р	3,127.5
Greens Bayou Pipe Mill, LP	34777	01/29/07	Recycle-Oily Water	6,255	Р	781.9
J.A.M. Distributing Co.	34654	01/29/07	recvele-oily water	37,363	P	4,670.4
J.A.M. Distributing Co.	34655	01/29/07	recvele-oily water	41,700	Р	5,212.5
OEM	34701	01/29/07	Recycle-Oily Water	1,200	Р	150.0
OEM	34701	01/29/07	Recycle-Oily Water	1,800	Р	225.0
OEM	34701	01/29/07	Recycle-Oily Water	150	Р	18.8
Select Environmental	34662	01/29/07	Oily water	45,870	P	5,733.8
Select Environmental	34893	01/29/07	Oily water	50,040	Р	6,255.0
Select Environmental	34803	01/29/07	Recycle-Oily Water	50,040	P	6,255.0
Turneco Oil Services	34856	01/29/07	Oily water	5,838	₽	729.8
Farouk Systems	34533	01/30/07	CESQ2192	45,870	p	5,733.8
Golden Opportunity Recycling	34951	01/30/07	CESQETYE	16,680	P	2,085.0
Golden Opportunity Recycling	34952	01/30/07		16,680	P	2,085.0
Lubrizol-Deer Park	34810	01/30/07	Recycle	34,160	P	4,270.0
Lubrizol-Deer Park	34809	01/30/07	Recycle	37,100	P	4,637.5
Select Environmental	34904	01/30/07	Oily water	41,700	Р	5,212.5
Select Environmental	34907	01/30/07	Oily water	41,700	Р	5,212.5
Select Environmental	34905	01/30/07	Oily water	41,700	₽	5,212.5
Select Environmental	34906	01/30/07	Oily water	41,700	Р	5,212.5
Select Environmental	34867	01/30/07	Recycle-Oily Water	41,700	P	5,212.5
Select Environmental	34866	01/30/07	Recycle-Oily Water	41,700	P	5,212.5
Ameriforge Corporation	34787	01/31/07	Recycle-Oily Water	2,500	P	312.5
Commercial Metals	34962	01/31/07	Recycle-Oily Water	41,700	Р	5,212.5
Ethyl Corporation	34763	01/31/07	Recycle-Oily Water	45,903	Ρ	5,737.9
Farouk Systems	34534	01/31/07	CESQ2192	50,040	P	6,255.0
GATX (Hearne)	34996	01/31/07	Recycle	33,360	Р	4,170.0
WASO 1	35127	01/21/07	Paguala Oily Water	27.740		4 717 E
KMCO, Inc.	3312/	01/31/07	Recycle-Oily Water	37,740		4,717.5
Midstate Environmental Services LP	35057	01/31/07	Recycle-Oily Water	53,034	Р	6,629.3
					P P	
Midstate Environmental Services LP	35057	01/31/07	Recycle-Oily Water Recycle	53,034		6,629.3
Midstate Environmental Services LP Ovalen Development LLC	35057 35032	01/31/07 01/31/07	Recycle-Oily Water	53,034 5,300	Р	6,629.3 662.5 5,525.3
Midstate Environmental Services LP Ovalen Development LLC	35057 35032	01/31/07 01/31/07	Recycle-Oily Water Recycle	53,034 5,300	Р	6,629.3 662.5
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC	35057 35032 34948	01/31/07 01/31/07 01/31/07	Recycle-Oily Water Recycle Recycle	53,034 5,300 44,202	P P	6,629.3 662.5 5,525.3 600,944.8
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC	35057 35032 34948 35230	01/31/07 01/31/07 01/31/07	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water	53,034 5,300 44,202	P P	6,629.3 662.5 5,525.3 600,944.8
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC	35057 35032 34948 35230 34950	01/31/07 01/31/07 01/31/07 02/01/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle	53,034 5,300 44,202 8,340 50,040	P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest	35057 35032 34948 35230 34950 34922	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202	P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest	35057 35032 34948 35230 34950 34922 34923	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368	P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest	35057 35032 34948 35230 34950 34922 34923 34924	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368	P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Select Environmental	35057 35032 34948 35230 34950 34922 34923 34924 35231	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862	P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Select Environmental Turneco Oil Services	35057 35032 34948 35230 34950 34922 34923 34924 35231 35258	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406	P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services	35057 35032 34948 35230 34950 34922 34923 34924 35231 35258 35259	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514	P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac	35057 35032 34948 35230 34950 34922 34923 34924 35231 35258 35259 35302	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Fuel Oil	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210	P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems	35037 35032 34948 35230 34950 34922 34923 34924 35231 35258 35259 35302 34535	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International	35037 35032 34948 35230 34950 34922 34923 34924 35231 35258 35259 35302 34535 34781	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park	35037 35032 34948 35230 34950 34922 34923 34924 35231 35258 35259 35302 34535 34781 35161	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/03/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460	P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation	35037 35032 34948 35230 34950 34922 34923 34924 35231 35258 35259 35302 34535 34781 35161 35242	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/02/07 02/03/07 02/05/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	8,340 50,040 44,202 43,358 43,358 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport)	35037 35032 34948 35230 34950 34922 34923 35231 35258 35259 35302 34535 34781 35161 35242 35250	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/03/07 02/05/07 02/05/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems	35037 35032 34948 35230 34950 34922 34923 34924 35231 35258 35302 34781 35161 35242 35250 35023	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/03/07 02/05/07 02/05/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5
Midstate Environmental Services LP Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP	35037 34948 35230 34950 34922 34923 34924 35231 35258 35302 34535 34781 35161 35242 35250 35023 35434	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/05/07 02/05/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8
Midstate Environmental Services LP Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems	35037 34948 35230 34950 34922 34923 34924 35231 35258 35302 34535 34781 35242 35250 35023 35434 35024	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/05/07 02/05/07 02/05/07 02/05/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8 6,565.6
Midstate Environmental Services LP Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP	35037 34948 35230 34950 34922 34923 34924 35231 35258 35302 34535 34781 35161 35242 35250 35023 35434	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/05/07 02/05/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8
Midstate Environmental Services LP Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems	35037 34948 35230 34950 34922 34923 34924 35231 35258 35302 34535 34781 35242 35250 35023 35434 35024	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/05/07 02/05/07 02/05/07 02/05/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8 6,565.6
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems	35057 35032 34948 35230 34950 34922 34923 34924 35231 35258 3535 34781 35161 35242 35250 35023 35434 35024 35362	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/03/07 02/05/07 02/05/07 02/05/07 02/07/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 recycle	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525 27,939	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8 6,565.6 3,492.4
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems Ovalen Development LLC Select Environmental	35057 35032 34948 35230 34950 34922 34923 34924 35258 35259 35302 34535 34781 35161 35242 35250 35023 35434 35024 35362 35709	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/03/07 02/05/07 02/05/07 02/05/07 02/07/07 02/07/07	Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525 27,939 50,040	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,255.0
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems Ovalen Development LLC Select Environmental Turneco Oil Services	35057 35032 34948 35230 34950 34922 34923 34924 35258 35259 35302 34535 34781 35242 35250 35023 35434 35024 35362 35709 35567	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/05/07 02/05/07 02/05/07 02/07/07 02/07/07	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Oily water Secycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 recycle Oily water Fuel Oil	8,340 50,040 44,202 43,368 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525 27,939 50,040 18,348	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8 6,565.6 3,492.4 6,255.0 2,293.5
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems Ovalen Development LLC Select Environmental Turneco Oil Services GATX (Hearne)	35057 35032 34948 35230 34950 34922 34923 34924 35231 35259 35302 34535 34781 35242 35250 35023 35434 35024 35362 35709 35567 35442	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/05/07 02/05/07 02/05/07 02/07/07 02/07/07 02/07/07 02/08/07	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Oily water Secycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 recycle Oily water Fuel Oil	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525 27,939 50,040 18,348 37,530	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8 6,565.6 3,492.4 6,255.0 2,293.5 4,691.3
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems Ovalen Development LLC Select Environmental Turneco Oil Services GATX (Hearne) GI Environmental Vacuum Service	35057 35032 34948 35230 34950 34922 34923 34924 35258 35259 35302 34535 35781 35242 35250 35023 35434 35362 35709 35567 35442 36724	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/05/07 02/05/07 02/05/07 02/07/07 02/07/07 02/07/07 02/08/07 02/08/07	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 recycle Oily water Fuel Oil Recycle	53,034 5,300 44,202 8,340 50,040 44,202 43,368 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525 27,939 50,040 18,348 37,530 33,360	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 3,492.5 6,463.5 5,212.5 6,274.8 6,565.6 3,492.4 6,255.0 2,293.5 4,691.3 4,170.0
Midstate Environmental Services LP Ovalen Development LLC Ovalen Development LLC J & D Oil Service Ovalen Development LLC Proler Southwest Proler Southwest Proler Southwest Select Environmental Turneco Oil Services Turneco Oil Services Envirovac Farouk Systems PGI International Lubrizol-Deer Park Ameriforge Corporation Atlantic Industrial Services (Shreveport) Farouk Systems Midstate Environmental Services LP Farouk Systems Ovalen Development LLC Select Environmental Turneco Oil Services GATX (Hearne) GI Environmental Vacuum Service Select Environmental	35057 35032 34948 35230 34950 34922 34923 34924 35258 35259 35302 34535 35161 35242 35250 35023 35434 35024 35362 35709 35567 35442 36724 36724	01/31/07 01/31/07 01/31/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/01/07 02/02/07 02/02/07 02/02/07 02/05/07 02/08/07 02/08/07 02/08/07	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Oily water Fuel Oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water Oily water Fuel Oil	53,034 5,300 44,202 8,340 50,040 44,202 43,358 43,368 35,862 18,406 17,514 54,210 45,870 17,781 27,460 27,940 51,708 41,700 50,198 52,525 27,939 50,040 18,348 37,530 33,360 20,850	P P P P P P P P P P P P P P P P P P P	6,629.3 662.5 5,525.3 600,944.8 1,042.5 6,255.0 5,525.3 5,421.0 4,482.8 2,300.8 2,189.3 6,776.3 5,733.8 2,222.6 3,432.5 6,463.5 5,212.5 6,463.5 5,212.5 6,274.8 6,565.6 3,492.4 6,255.0 2,293.5 4,691.3 4,170.0 2,606.3

Cancin	25246	02/09/07	Pacycla	45 970	Р	E 733 0
Canrig Farouk Systems	35246 35025	02/09/07	Recycle CESQ2192	45,870 50,040	P	5,733.8 6,255.0
GI Environmental Vacuum Service	36722	02/09/07	CE3Q2132	33,360	P	4,170.0
Goodman Manufacturing (Cooling Plant)	35262	02/09/07	00202051	36,696	P	4,587.0
Goodman Manufacturing (Cooling Plant)	35261	02/09/07	00202051	33,360	P	4,170.0
Proler Southwest	35548	02/09/07	Recycle-Oily Water	43,368	P	5,421.0
Proier Southwest	35550	02/09/07	Recycle-Oily Water	45,036	ρ	5,629.5
T3 Energy Services - Cypress	35565	02/09/07	Recycle-Oily Water	25,020	Р	3,127.5
GI Environmental Vacuum Service	36725	02/10/07		20,850	Р	2,606.3
GI Environmental Vacuum Service	36716	02/10/07		16,680	P	2,085.0
GI Environmental Vacuum Service	36718	02/10/07		33,360	P	4,170.0
Midstate Environmental Services LP	35854	02/10/07	Recycle-Oily Water	50,040	Р	6,255.0
Ameriforge Corporation	35796	02/12/07	Recycle-Oily Water	38,240	Р	4,780.0
Ameriforge Corporation	35797	02/12/07	Recycle-Oily Water	37,080	Р	4,635.0
Ameriforge Corporation	35793	02/12/07	Recycle-Oily Water	43,280	P	5,410.0
Farouk Systems	35390	02/12/07	CESQ2192	37,530	P	4,691.3
Midstate Environmental Services LP	35861	02/12/07	Recycle-Oily Water	54,927	P	6,865.9
Atlantic Industrial Services (Shreveport)	35813	02/13/07	Recycle-Oily Water	51,708	ρ	6,463.5
GE Mobil Water	35761	02/13/07	Recycle-Oily Water	400	P	50.0
J.A.M. Distributing Co.	35802	02/13/07	recvele-oily water	48,372	ρ	6,046.5
Midstate Environmental Services LP	35951	02/13/07	Recycle-Oily Water	52,542	P	6,567.8
Select Environmental	35950	02/13/07	Oily water	51,708	Р	6,463.5
Turneco Oil Services	35912	02/13/07	•	18,523	Р	2,315.4
Turneco Oil Services	35913	02/13/07		18,406	Р	2,300.8
Turneco Oil Services	35947	02/13/07	Oily water	16,680	Р	2,085.0
Ameriforge Corporation	35885	02/14/07	Recycle-Oily Water	41,700	Р	5,212.5
Farouk Systems	35391	02/14/07	CESQ2192	41,700	Р	5,212.5
Forged Vessel Connections, Inc.	35837	02/14/07	Recycle-Oily Water	20,850	Р	2,606.3
Holcomb Oil Recycling	35400	02/14/07	Recycle-Oily Water	43,960	Р	5,495.0
KMCO, Inc.	35843	02/14/07	Recycle-Oily Water	40,980	Р	5,122.5
OEM	35767	02/14/07	Recycle-Oily Water	1,200	Р	150.0
Turneco Oil Services	36110	02/14/07	Fuel Oil	18,348	Р	2,293.5
Atlantic Industrial Services	36101	02/15/07	Recycle-Oily Water	50,249	Р	6,281.1
Forged Vessel Connections, Inc.	35763	02/15/07	Recyclable-used Oil	1,200	Ρ	150.0
GI Environmental Vacuum Service	36728	02/15/07		33,360	Р	4,170.0
Turneco Oil Services	35359	02/15/07		18,415	Р	2,301.8
Ameriforge Corporation	36038	02/16/07	Recycle-Oily Water	19,660	P	2,457.5
Atlantic Industrial Services	36284	02/16/07	Recycle-Oily Water	200	Р	25.0
Atlantic Industrial Services	36283	02/16/07	Recycle-Oily Water	200	P	25.0
Dresser Flow	35930	02/16/07	Recycle-Coolant	27,522	Р	3,440.3
Farouk Systems	35392	02/16/07	CESQ2192	45,870	P	5,733.8
GI Environmental Vacuum Service	36729	02/16/07		33,360	P	4,170.0
GI Environmental Vacuum Service	36727	02/16/07		33,360	P	4,170.0
Select Environmental	36185	02/16/07	Oily water	45,870	P	5,733.8
Turneco Oil Services	36109	02/16/07		18,406	Р	2,300.8
Atlantic Industrial Services	36189	02/17/07	Recycle-Oily Water	834	Р	104.3
Forged Vessel Connections, Inc.	35769	02/17/07	Recycle-Oily Water	25,020	P	3,127.5
GI Environmental Vacuum Service	36730	02/17/07		33,360	Р	4,170.0
KMCO, Inc.	36183	02/17/07	Recycle-Oily Water	28,120	Р	3,515.0
Farouk Systems	35862	02/19/07	CESQ2192	37,530	P	4,691.3
GI Environmental Vacuum Service	36731	02/19/07		10,490	Р	1,311.3
Koch Heat Transfer Company, LP	36084	02/19/07	Recycle-Oily Water	7,506	Р	938.3
Turneco Oil Services	36309	02/19/07		18,523	Р	2,315.4
Turneco Oil Services	36385	02/19/07		18,406	Р	2,300.8
Ameriforge Corporation	36361	02/20/07	Recycle-Oily Water	12,280	P	1,535.0
Ethyl Corporation	36375	02/20/07	Recycle-Oily Water	47,480	P	5,935.0
J.A.M. Distributing Co.	36149	02/20/07	recvele-oily water	41,700	P	5,212.5
KMCO, Inc.	36260	02/20/07	Recycle-Oily Water	32,320	P	4,040.0
Farouk Systems	35863	02/21/07	CESQ2192	41,700	Р	5,212.5
KMCO, Inc.	36261	02/21/07	Recycle-Oily Water	36,720	Р	4,590.0
KMTEX	36468	02/21/07	Recycle-Oily Water	41,480	Ρ	5,185.0

Martin Transport	36233	02/21/07	Recycle-Good Oil	46,562	Р	5,820.3
MIC	36170	02/21/07	recycle-coolant/oil	25,854	Р	3,231.8
Turneco Oil Services	36435	02/21/07		18,406	Р	2,300.8
Atlantic Industrial Services	36551	02/22/07	Recycle-Oily Water	280	P	35.0
Commercial Metals	36397	02/22/07	Recycle-Oily Water	50,040	Р	6,255.0
Martin Transport	36479	02/22/07	Recycle-Good Oil	15,020	P	1,877.5
Turneco Oil Services	36489	02/22/07		18,406	Р	2,300.8
Turneco Oil Services	36458	02/22/07		21,359	Р	2,669.8
Farouk Systems	35864	02/23/07	CESQ2192	45,870	P	5,733.8
Canrig	36495	02/26/07	Recycle	4,500	P	562.5
Canrig	36496	02/26/07	Recycle	3,500	Р	437.5
Farouk Systems	36389	02/26/07	CESQ2192	45,870	P	5,733.8
GI Environmental Vacuum Service	36786	02/26/07		33,360	P	4,170.0
Golden Opportunity Recycling	36657	02/26/07		16,680	P	2,085.0
KMCO, Inc.	36660	02/26/07	Recycle-Oily Water	41,220	•	5,152.5
Turneco Oil Services	36711	02/26/07	Necycle Ony Water	18,406	ρ	2,300.8
Vetco Gray	36449	02/26/07	Recycle-Oily Water	33,360	P	4,170.0
Atlantic Industrial Services (Shreveport)	36450	02/27/07	Recycle-Oily Water	43,368	P P	5,421.0
GI Environmental Vacuum Service	36785	02/27/07	Recycle-Ony Water		P	4,170.0
				33,360	P	
Golden Opportunity Recycling Turneco Oil Services	36783	02/27/07		16,680		2,085.0
	36712	02/27/07	Free Lord	18,523	P	2,315.4
Turneco Oil Services	36713	02/27/07	Fuel Oil	18,348	P	2,293.5
Farouk Systems	36390	02/28/07	CESQ2192	41,700	P	5,212.5
Holcomb Oil Recycling	36674	02/28/07	Recycle-Oily Water	36,754	P	4,594.3
J.A.M. Distributing Co.	36761	02/28/07	recvele-oily water	58,380	Р	7,297.5
J.A.M. Distributing Co.	36738	02/28/07	recvele-oily water	58,380	P	7,297.5
KMTEX	36770	02/28/07	Recycle-Oily Water	49,740	P	6,217.5
						443,392.8
Atlantic Industrial Services	37007	03/01/07	Recycle-Oily Water	600	Р	75.0
Calden Opportunity Populating	37054	02/01/07		16 600	Р	3 00E 0
Golden Opportunity Recycling	37034	03/01/07		16,680		2,085.0
KMTEX	37087	03/01/07	Recycle-Oily Water	37,220	P	4,652.5
· -			Recycle-Oily Water Recycle-Oily Water			
KMTEX	37087	03/01/07		37,220	P	4,652.5
KMTEX KMTEX	37087 36774	03/01/07 03/01/07	Recycle-Oily Water	37,220 30,540	P P	4,652.5 3,817.5
KMTEX KMTEX	37087 36774 37084	03/01/07 03/01/07 03/01/07	Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900	P P P	4,652.5 3,817.5 5,737.5
KMTEX KMTEX KMTEX	37087 36774 37084 37085	03/01/07 03/01/07 03/01/07 03/01/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660	P P P	4,652.5 3,817.5 5,737.5 5,332.5
KMTEX KMTEX KMTEX KMTEX	37087 36774 37084 37085 37086	03/01/07 03/01/07 03/01/07 03/01/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880	P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0
KMTEX KMTEX KMTEX KMTEX COEM	37087 36774 37084 37085 37086 36757	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800	P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0
KMTEX KMTEX KMTEX KMTEX COEM Farouk Systems	37087 36774 37084 37085 37086 36757 36391	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192	37,220 30,540 45,900 42,660 46,880 1,800 45,870	P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8
KMTEX KMTEX KMTEX KMTEX COEM Farouk Systems KMTEX	37087 36774 37084 37085 37086 36757 36391 37093	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000	P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0
KMTEX KMTEX KMTEX KMTEX COEM Farouk Systems KMTEX KMTEX	37087 36774 37084 37085 37086 36757 36391 37093 37090	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040	P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0
KMTEX KMTEX KMTEX KMTEX COEM Farouk Systems KMTEX KMTEX KMTEX KMTEX	37087 36774 37084 37085 37086 36757 36391 37093 37090	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640	P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0
KMTEX KMTEX KMTEX KMTEX COEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX	37087 36774 37084 37085 37086 36757 36391 37093 37090 37088	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/04/07 03/05/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040	P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0
KMTEX KMTEX KMTEX KMTEX CEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX	37087 36774 37084 37086 36757 36391 37093 37090 37088 37089	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/04/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012	P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX	37087 36774 37084 37085 37086 36757 36391 37090 37088 37089 37214 37213	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/04/07 03/05/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960	P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0
KMTEX KMTEX KMTEX KMTEX KMTEX CEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX Farouk Systems	37087 36774 37084 37085 37086 36757 36391 37090 37088 37089 37214 37213 36843	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/04/07 03/05/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870	P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX ET STATE KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service	37087 36774 37084 37085 37086 36757 36391 37090 37088 37089 37214 37213 36843 37215	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020	P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5
KMTEX KMTEX KMTEX KMTEX KMTEX CEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX G) Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services	37087 36774 37084 37086 36757 36391 37090 37088 37089 37214 37213 36843 37215 37230	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/05/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4
KMTEX KMTEX KMTEX KMTEX CEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation	37087 36774 37084 37086 36757 36391 37090 37088 37089 37214 37213 36843 37215 37230 37167	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/02/07 03/05/07 03/05/07 03/05/07 03/05/07 03/05/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water USEQ2192 Used oil Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation	37087 36774 37084 37086 36757 36391 37090 37088 37214 37213 36843 37215 37230 37167 37172	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services	37087 36774 37084 37086 36757 36391 37090 37088 37214 37213 36843 37215 37230 37167 37172	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services Atlantic Industrial Services (Shreveport)	37087 36774 37084 37086 36757 36391 37090 37088 37214 37213 36843 37215 37230 37167 37172 37255 37109	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Commercial Metals	37087 36774 37084 37086 36757 36391 37090 37088 37214 37213 36843 37215 37230 37167 37172 37255 37109 37171	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Commercial Metals Houston Grinding and Mfg.	37087 36774 37084 37085 37086 36757 36391 37090 37088 37214 37213 36843 37215 37230 37167 37172 37255 37109 37171 37138	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700 12,510	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5 1,563.8
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services (Shreveport) Commercial Metals Houston Grinding and Mfg. Select Environmental	37087 36774 37084 37085 37086 36757 36391 37090 37088 37214 37213 36843 37215 37230 37167 37172 37255 37109 37171 37138 37254	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700 12,510 50,040	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5 1,563.8 6,255.0
KMTEX KMTEX KMTEX KMTEX KMTEX CEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Commercial Metals Houston Grinding and Mfg. Select Environmental Turneco Oil Services	37087 36774 37084 37086 36757 36391 37090 37088 37089 37214 37213 36843 37215 37167 37172 37255 37109 37171 37138 37254	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Oily water Used oil	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700 12,510 50,040 18,406	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5 1,563.8 6,255.0 2,300.8
KMTEX KMTEX KMTEX KMTEX KMTEX CEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services (Shreveport) Commercial Metals Houston Grinding and Mfg. Select Environmental Turneco Oil Services Ethyl Corporation	37087 36774 37084 37086 36757 36391 37090 37088 37089 37214 37213 36843 37215 37167 37172 37255 37109 37171 37138 37254 37229 37393	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Used oil Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700 12,510 50,040 18,406 48,380	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5 1,563.8 6,255.0 2,300.8 6,047.5
KMTEX KMTEX KMTEX KMTEX KMTEX CEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services Ethyl Corporation Select Environmental Turneco Oil Services Ethyl Corporation Farouk Systems	37087 36774 37084 37086 36757 36391 37090 37088 37089 37214 37213 36843 37215 37167 37172 37255 37109 37171 37138 37254 37229 37393 36844	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/02/07 03/05/07 03/05/07 03/05/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07 03/06/07	Recycle-Oily Water Used oil Recycle-Oily Water Used oil Recycle-Oily Water Used oil Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700 12,510 50,040 18,406 48,380 45,870	P P P P P P P P P P P P P P P P P P P	4,652.5 3,817.5 5,737.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5 1,563.8 6,255.0 2,300.8 6,047.5 5,733.8
KMTEX KMTEX KMTEX KMTEX KMTEX OEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services (Shreveport) Commercial Metals Houston Grinding and Mfg. Select Environmental Turneco Oil Services Ethyl Corporation Farouk Systems Lousianna Pacific (Silsbee)	37087 36774 37084 37086 36757 36391 37090 37088 37214 37213 36843 37215 37167 37172 37255 37109 37171 37138 37254 37254 37259 37393 36844 37216	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/06/07	Recycle-Oily Water Used oil Recycle-Oily Water Used oil Recycle-Oily Water CESQ2192 Recycle	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700 12,510 50,040 18,406 48,380 45,870 36,140	P	4,652.5 3,817.5 5,737.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5 1,563.8 6,255.0 2,300.8 6,047.5 5,733.8 4,517.5
KMTEX KMTEX KMTEX KMTEX COEM Farouk Systems KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX KMTEX GI Environmental Vacuum Service Ethyl Corporation Farouk Systems GI Environmental Vacuum Service Turneco Oil Services Ameriforge Corporation Ameriforge Corporation Atlantic Industrial Services (Shreveport) Commercial Metals Houston Grinding and Mfg. Select Environmental Turneco Oil Services Ethyl Corporation Farouk Systems Lousianna Pacific (Silsbee) Midstate Environmental Services LP	37087 36774 37084 37086 36757 36391 37090 37088 37214 37213 36843 37215 37167 37172 37255 37109 37171 37138 37254 37259 37393 36844 37161 37396	03/01/07 03/01/07 03/01/07 03/01/07 03/01/07 03/02/07 03/02/07 03/02/07 03/03/07 03/05/07 03/05/07 03/05/07 03/06/07 03/07/07 03/07/07 03/07/07	Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Used oil Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	37,220 30,540 45,900 42,660 46,880 1,800 45,870 40,000 30,040 37,640 46,040 15,012 48,960 45,870 25,020 18,523 41,700 40,032 450 51,708 41,700 12,510 50,040 18,406 48,380 45,870 36,140 51,675	P	4,652.5 3,817.5 5,737.5 5,737.5 5,332.5 5,860.0 225.0 5,733.8 5,000.0 3,755.0 4,705.0 5,755.0 1,876.5 6,120.0 5,733.8 3,127.5 2,315.4 5,212.5 5,004.0 56.3 6,463.5 5,212.5 1,563.8 6,255.0 2,300.8 6,047.5 5,733.8 4,517.5 6,459.4

Turner Oil Condess	27224	02/07/07	Dand off	10.522		2 245 4
Turneco Oil Services	37331	03/07/07	Used oil	18,523	P	2,315.4
Farouk Systems Holcomb Oil Recycling	37416	03/08/07	CESQ2192	41,700	P	5,212.5
. •	36860	03/08/07	Recycle-Oily Water	43,743	P P	5,467.9
Lousianna Pacific (Silsbee) Turneco Oil Services	37162 359 67	03/08/07	Recycle Oily water	38,780 16,680	P	4,847.5
Farouk Systems	36845	03/09/07	CESQ2192	41,700	P	2,085.0 5,212.5
GI Environmental Vacuum Service	37576	03/09/07	CC3Q2132	14,178	P	1,772.3
GI Environmental Vacuum Service	37581	03/09/07		16,680	P	2,085.0
Lousianna Pacific (Silsbee)	37163	03/09/07	Recycle	37,940	P	4,742.5
Proler Southwest	37378	03/09/07	Recycle-Oily Water	45,870	P	5,733.8
Select Environmental	37516	03/09/07	Oily water	33,360	P	4,170.0
Commercial Metals	37524	03/03/07	Recycle-Oily Water	41,700	Р	5,212.5
Farouk Systems	37097	03/12/07	CESQ2192	41,700	P	5,212.5
Ameriforge Corporation	37553	03/12/07	Recycle-Oily Water	33,640	P	4,205.0
Midstate Environmental Services LP	37809	03/13/07	Recycle-Oily Water	51,708	P	6,463.5
Precision Tube Tech.	37612	03/13/07	Recycle-Oily Water	30,858	P	3,857.3
Select Environmental	37651	03/13/07	Oily water	51,708	P	6,463.5
Dresser Flow	37628	03/13/07	Recycle-Coolant	33,364	Р	4,170.5
Farouk Systems	37098	03/14/07	CESQ2192	41,700	P	5,212.5
Turneco Oil Services	37858	03/14/07	Oily water	16,680	P	2,085.0
Turneco Oil Services	37873	03/14/07	Oily water	5,004	P	625.5
Turneco Oil Services	37444	03/14/07	Used oil	18,406	P	2,300.8
Atlantic Industrial Services (Shreveport)	37655	03/15/07	Recycle-Oily Water	51,708	P	6,463.5
Commercial Metals	37804	03/15/07	Recycle-Oily Water	45,870	Р	5,733.8
Ameriforge Corporation	37829	03/16/07	Recycle-Oily Water	36.980	, P	4,622.5
Atlantic Industrial Services	38074	03/16/07	Recycle-Oily Water	1,000	p P	125.0
Farouk Systems	37099	03/16/07	CESQ2192	41,700	Р	5,212.5
Hydril McCarty	37657	03/16/07	recycle	9,633	Р	1,204.1
Lubrizol-Deer Park	37805	03/16/07	Recycle	36,480	P	4,560.0
NOV Drilling Equipment (Lockwood)	37787	03/16/07	Recycle	25,020	P	3,127.5
Proler Southwest	37841	03/16/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	37842	03/16/07	Recycle-Oily Water	41,700	P	5,212.5
Select Environmental	38034	03/16/07	Oily water	37,113	P	4,639.1
Lubrizol-Deer Park	37870	03/17/07	Recycle	35,780	P	4,472.5
Farouk Systems	37351	03/19/07	CESQ2192	41,700	P	5,212.5
Farouk Systems	38017	03/19/07	CESQ2192	25,020	P	3,127.5
Forged Vessel Connections, Inc.	37900	03/19/07	Recycle-Oily Water	16,680	P	2,085.0
Greens Bayou Pipe Mill, LP	37885	03/19/07	Recycle-Oily Water	3,336	Р	417.0
Proler Southwest	37844	03/19/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	37843	03/19/07	Recycle-Oily Water	41,700	Р	5,212.5
Schlumberger Technology - IPC North	37960	03/19/07	Recycle	16,680	Р	2,085.0
Vetco Gray	37888	03/19/07	Recycle-Oily Water	41,700	P	5,212.5
KMCO, Inc.	38075	03/20/07	Recycle-Oily Water	33,340	Р	4,167.5
Proler Southwest	37991	03/20/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	37992	03/20/07	Recycle-Oily Water	41,700	Р	5,212.5
Select Environmental	38195	03/20/07	Oily water	35,028	Р	4,378.5
Atlantic Industrial Services (Shreveport)	38105	03/21/07	Recycle-Oily Water	51,708	Р	6,463.5
Farouk Systems	37352	03/21/07	CESQ2192	41,700	P	5,212.5
Lubrizol-Deer Park	38053	03/21/07	Recycle	34,120	P	4,265.0
Lubrizol-Deer Park	38054	03/21/07	Recycle	34,240	P	4,280.0
Select Environmental	38359	03/21/07	Oily water	41,700	P	5,212.5
Atlantic Industrial Services (Shreveport)	38107	03/22/07	Recycle-Oily Water	6,200	P	775.0
Golden Opportunity Recycling	38395	03/22/07		16,680	Р	2,085.0
Select Environmental	38396	03/22/07	Oily water	45,870	Р	5,733.8
Farouk Systems	37353	03/23/07	CESQ2192	41,700	P	5,212.5
KMTEX	38287	03/23/07	Recycle-Oily Water	43,400	Р	5,425.0
KMTEX	38288	03/23/07	Recycle-Oily Water	46,560	Р	5,820.0
Lubrizol-Deer Park	38274	03/23/07	Recycle	34,820	Р	4,352.5
Lubrizol-Deer Park	38275	03/23/07	Recycle	32,560	P	4,070.0
NOV (Magnolia)	38240	03/23/07	Recycle	1,200	Ρ	150.0
Select Environmental	38421	03/23/07	Oily water	51,708	P	6,463.5

Ethyl Corporation	38439	03/24/07	Recycle-Oily Water	50,180	Р	6,272.5
Lubrizol-Deer Park	38278	03/24/07	Recycle	37,680	Р	4,710.0
Lubrizol-Deer Park	38277	03/24/07	Recycle	35,620	P	4,452.5
Proler Southwest	38342	03/24/07	Recycle-Oily Water	5,000	P	625.0
Proler Southwest	38343	03/24/07	Recycle-Oily Water	5,000	Р	625.0
Farouk Systems	37703	03/26/07	CESQ2192	33,360	Р	4,170.0
KMTEX	38289	03/26/07	Recycle-Oily Water	43,680	P	5,460.0
KMTEX	38290	03/26/07	Recycle-Oily Water	31,960	P	3,995.0
Midstate Environmental Services LP	38570	03/26/07	Recycle-Oily Water	54,210	Р	6,776.3
Select Environmental	38571	03/26/07	Oily water	51,708	Р	6,463.5
MIC	38340	03/27/07	recycle-coolant/oil	36,696	Р	4,587.0
Midstate Environmental Services LP	38640	03/27/07	Recycle-Oily Water	53,376	Р	6,672.0
Midstate Environmental Services LP	38637	03/27/07	Recycle-Oily Water	52,542	Р	6,567.8
Midstate Environmental Services LP	38641	03/27/07	Recycle-Oily Water	54,210	Р	6,776.3
Turneco Oil Services	38595	03/27/07	Used oil	18,523	P	2,315.4
Farouk Systems	37704	03/28/07	CESQ2192	5,000	Р	625.0
KMCO, Inc.	38566	03/28/07	Recycle-Oily Water	47,080	P	5,885.0
KMCO, Inc.	38567	03/28/07	Recycle-Oily Water	40,300	Р	5,037.5
KMCO, Inc.	38565	03/28/07	Recycle-Oily Water	47,920	Р	5,990.0
Lubrizol-Deer Park	38453	03/28/07	Recycle	36,000	Р	4,500.0
Lubrizol-Deer Park	38628	03/28/07	Recycle	36,060	Р	4,507.5
Midstate Environmental Services LP	38695	03/28/07	Recycle-Oily Water	52,542	P	6,567.8
Select Environmental	38696	03/28/07	Oily water	41,700	Р	5,212.5
Turneco Oil Services	38361	03/28/07	Used oil	18,406	Р	2,300.8
Ameriforge Corporation	38466	03/29/07	Recycle-Oily Water	37,260	Р	4,657.5
Gulf Coast Oil Recovery	38771	03/29/07	Recycle-Oily Water	50,040	P	6,255.0
Lubrizol-Deer Park	38456	03/29/07	Recycle	34,400	P	4,300.0
Lubrizol-Deer Park	38455	03/29/07	Recycle	32,380	Р	4,047.5
NOV (Magnolia)	38587	03/29/07	Recycle	2,000	P	250.0
PGI International	38464	03/29/07	Recycle-Oily Water	1,800	Р	225.0
Vetco Gray	38616	03/29/07	Recycle-Oily Water	2,500	P	312.5
Atlantic Industrial Services	38886	03/30/07	Recycle-Oily Water	450	P	56.3
Atlantic Industrial Services (Shreveport)	38698	03/30/07	Recycle-Oily Water	51,708	P	6,463.5
Ethyl Corporation	38758	03/30/07	Recycle-Oily Water	49,480	P	6,185.0
Farouk Systems	37706	03/30/07	CESQ2192	50,040	P	6,255.0
Gulf Coast Oil Recovery	38889	03/30/07	Recycle-Oily Water	50,040	P	6,255.0
Turneco Oil Services	38888	03/30/07	Oily water	16,680	P	2,085.0
Turneco Oil Services	38887	03/31/07	Oily water	50,040	Р	6,255.0
						0,233.0
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						549,952.6
Farouk Systems	37707	04/02/07	CESQ2192	25,020	Р	549,952.6 3,127.5
Midstate Environmental Services LP	38957	04/02/07	Recycle-Oily Water	25,020 52,542	P P	549,952.6 3,127.5 6,567.8
Midstate Environmental Services LP Midstate Environmental Services LP	38957 38956	04/02/07 04/02/07	Recycle-Oily Water Recycle-Oily Water	25,020 52,542 51,708	P P P	549,952.6 3,127.5 6,567.8 6,463.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental	38957 38956 38959	04/02/07 04/02/07 04/02/07	Recycle-Oily Water Recycle-Oily Water Oily water	25,020 52,542 51,708 41,700	P P P	3,127.5 6,567.8 6,463.5 5,212.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental	38957 38956 38959 38958	04/02/07 04/02/07 04/02/07 04/02/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water	25,020 52,542 51,708 41,700 48,372	P P P P	3,127.5 6,567.8 6,463.5 5,212.5 6,046.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services	38957 38956 38959 38958 38963	04/02/07 04/02/07 04/02/07 04/02/07 04/02/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water	25,020 52,542 51,708 41,700 48,372 9,174	P P P P	3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation	38957 38956 38959 38958 38963 38836	04/02/07 04/02/07 04/02/07 04/02/07 04/02/07 04/03/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620	P P P P	3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park	38957 38956 38959 38958 38963 38836 38724	04/02/07 04/02/07 04/02/07 04/02/07 04/02/07 04/03/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Recycle-Oily Water Recycle	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000	P P P P P	3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park	38957 38956 38959 38958 38963 38836 38724 38723	04/02/07 04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580	P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	38957 38956 38959 38958 38963 38836 38724 38723 38837	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620	P P P P P P P	3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental	38957 38956 38959 38958 38963 38836 38724 38723 38837 39098	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664	P P P P P P P P	3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport)	38957 38956 38959 38958 38963 38836 38724 38723 38837 39098	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/03/07 04/03/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle Oily water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708	P P P P P P P P P P P P P P P P P P P	3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems	38957 38956 38959 38958 38963 38836 38724 38723 38837 39098 38868 37708	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle-Oily Water RecycleOily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 6,083.0 6,463.5 5,733.8
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park	38957 38956 38959 38958 38963 38836 38724 38723 38837 39098 38868 37708	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870 38,860	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5 5,733.8 4,857.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park	38957 38956 38958 38963 38836 38724 38723 38837 39098 38868 37708 38726 38725	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07 04/04/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870 38,860 36,780	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5 5,733.8 4,857.5 4,597.5
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	38957 38958 38958 38963 38836 38724 38723 38837 39098 38868 37708 38726 38725 38846	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07 04/04/07 04/04/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870 38,860 36,780 45,870	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5 5,733.8 4,857.5 4,597.5 5,733.8
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Profer Southwest Profer Southwest	38957 38958 38958 38963 38836 38724 38723 38837 39098 38868 37708 38725 38846 38725	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870 38,860 36,780 45,870 45,870	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5 5,733.8 4,857.5 4,597.5 5,733.8 5,733.8
Midstate Environmental Services LP Midstate Environmental Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Southwest Proler Southwest Sunbelt Machine Works Corporation	38957 38958 38958 38963 38836 38724 38723 38837 39098 38858 37708 38726 38725 38846 38847 38939	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870 38,860 36,780 45,870 45,870 16,263	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5 5,733.8 4,857.5 4,597.5 5,733.8 5,733.8 2,032.9
Midstate Environmental Services LP Midstate Environmental Services LP Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Sunder Southwest Proler Southwest Sunbelt Machine Works Corporation Turneco Oil Services	38957 38958 38958 38963 38724 38723 38837 39098 38768 387708 38726 38725 38846 38847 38939 39097	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Recycle Oily water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870 36,780 45,870 45,870 16,263 18,348	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5 5,733.8 4,857.5 4,597.5 5,733.8 5,733.8 2,032.9 2,293.5
Midstate Environmental Services LP Midstate Environmental Select Environmental Select Environmental Turneco Oil Services Ameriforge Corporation Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental Atlantic Industrial Services (Shreveport) Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Southwest Proler Southwest Sunbelt Machine Works Corporation	38957 38958 38958 38963 38836 38724 38723 38837 39098 38858 37708 38726 38725 38846 38847 38939	04/02/07 04/02/07 04/02/07 04/02/07 04/03/07 04/03/07 04/03/07 04/03/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07 04/04/07	Recycle-Oily Water Recycle-Oily Water Oily water Oily water Oily water Recycle-Oily Water Recycle Recycle Recycle Oily water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	25,020 52,542 51,708 41,700 48,372 9,174 32,620 41,000 32,580 37,620 48,664 51,708 45,870 38,860 36,780 45,870 45,870 16,263	P P P P P P P P P P P P P P P P P P P	549,952.6 3,127.5 6,567.8 6,463.5 5,212.5 6,046.5 1,146.8 4,077.5 5,125.0 4,072.5 4,702.5 6,083.0 6,463.5 5,733.8 4,857.5 4,597.5 5,733.8 5,733.8 2,032.9

Lubrizol-Deer Park	38842	04/05/07	Recycle	33,460	Р	4,182.5
Lubrizol-Deer Park	38841	04/05/07	Recycle	36,640	P	4,580.0
Midstate Environmental Services LP	39286	04/05/07	Recycle-Oily Water	52,650	P	6,581.3
NOV (Magnolia)	38934	04/05/07	Recycle	3,336	Р	417.0
OEM	39030	04/05/07	recycle	600	P	75.0
OEM	39030	04/05/07	recycle	450	P	56.3
OEM	39036	04/05/07	recycle	800	Р	100.0
Select Environmental	39289	04/05/07	Oily water	50,040	Р	6,255.0
Atlantic Industrial Services (Shreveport)	38870	04/06/07	Recycle-Oily Water	51,708	Р	6,463.5
Farouk Systems	37709	04/06/07	CESQ2192	45,870	P	5,733.8
GI Environmental Vacuum Service	39292	04/06/07		33,360	P	4,170.0
GI Environmental Vacuum Service	39291	04/06/07		33,360	Р	4,170.0
Lubrizol-Deer Park	38840	04/06/07	Recycle	36,500	Р	4,562.5
Lubrizol-Deer Park	38838	04/06/07	Recycle	31,160	Р	3,895.0
Precision Tube Tech.	39124	04/06/07	Recycle-Oily Water	25,020	Р	3,127.5
GI Environmental Vacuum Service	39293	04/07/07	, ,	20,850	Р	2,606.3
Proler Southwest	39000	04/07/07	Recycle-Oily Water	45,870	Р	5,733.8
Proler Southwest	39200	04/07/07	Recycle-Oily Water	5,500	Р	687.5
Proler Southwest	38999	04/07/07	Recycle-Oily Water	45,870	P	5,733.8
Ameriforge Corporation	39138	04/09/07	Recycle-Oily Water	22,470	Р	2,808.8
Farouk Systems	37710	04/09/07	CESQ2192	25,020	P	3,127.5
Lubrizol-Deer Park	38903	04/09/07	Recycle	40,120	Р	5,015.0
Lubrizol-Deer Park	38904	04/09/07	Recycle	41,060	P	5,132.5
Midstate Environmental Services LP	39327	04/09/07	Recycle-Oily Water	54,427	P	6,803.4
Midstate Environmental Services LP	39326	04/09/07	Recycle-Oily Water	55,878	P	6,984.8
Select Environmental	39328	04/09/07	Oily water	50,040	Р	6,255.0
Turneco Oil Services	39325	04/09/07	Oily water	12,510	P	1,563.8
GI Environmental Vacuum Service	39477	04/10/07		26,271	P	3,283.9
Lubrizol-Deer Park	39147	04/10/07	Recycle	36,560	P	4,570.0
Lubrizol-Deer Park	39148	04/10/07	Recycle	35,860	P	4,482.5
Midstate Environmental Services LP	39472	04/10/07	Recycle-Oily Water	54,419	P	6,802.4
Midstate Environmental Services LP	39474	04/10/07	Recycle-Oily Water	54,510	Р	6,813.8
Midstate Environmental Services LP	39473	04/10/07	Recycle-Oily Water	53,851	P	6,731.4
Select Environmental	39475	04/10/07	Oily water	41,700	Р	5,212.5
Turneco Oil Services	39471	04/10/07	Oily water	10,008	Р	1,251.0
Atlantic Industrial Services	39680	04/11/07	Recycle-Oily Water	1,200	P	150.0
Dresser Flow	39294	04/11/07	Recycle-Coolant	41,700	P	5,212.5
Farouk Systems	37711	04/11/07	CESQ2192	41,700	Р	5,212.5
KMCO, Inc.	39304	04/11/07	Recycle-Oily Water	38,480	Р	4,810.0
KMCO, Inc.	39303	04/11/07	Recycle-Oily Water	37,200	P	4,650.0
KMCO, Inc.	39302	04/11/07	Recycle-Oily Water	41,700	P	5,212.5
Lubrizol-Deer Park	39150	04/11/07	Recycle	35,200	P	4,400.0
Lubrizol-Deer Park	39149	04/11/07	Recycle	36,540	P	4,567.5
Midstate Environmental Services LP	39574	04/11/07	Recycle-Oily Water	54,535	Р	6,816.9
Midstate Environmental Services LP	39575	04/11/07	Recycle-Oily Water	54,210	Р	6,776.3
Proier Southwest	39213	04/11/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	39214	04/11/07	Recycle-Oily Water	41,700	Р	5,212.5
Select Environmental	39572	04/11/07	Oily water	45,870	P	5,733.8
Turneco Oil Services	39571	04/11/07	Oily water	16,680	Р	2,085.0
Atlantic Industrial Services (Shreveport)	39440	04/12/07	Recycle-Oily Water	51,708	Р	6,463.5
GI Environmental Vacuum Service	39702	04/12/07		16,680	P	2,085.0
Łubrizol-Deer Park	38910	04/12/07	Recycle	38,260	Р	4,782.5
Lubrizol-Deer Park	38909	04/12/07	Recycle	37,960	P	4,745.0
Atlantic Industrial Services (Shreveport)	39441	04/13/07	Recycle-Oily Water	51,708	P	6,463.5
Farouk Systems	37712	04/13/07	CESQ2192	45,870	Р	5,733.8
NOV (Magnolia)	39484	04/13/07	Recycle	20,850	Р	2,606.3
Select Environmental	39682	04/13/07	Oily water	50,040	Р	6,255.0
Atlantic Industrial Services	39810	04/14/07	Recycle-Oily Water	600	Р	75.0
Farouk Systems	37713	04/16/07	CESQ2192	25,020	P	3,127.5
Greens Bayou Pipe Mill, LP	39600	04/16/07	Recycle-Oily Water	4,921	P	615.1
Lubrizol-Deer Park	38905	04/16/07	Recycle	36,280	Р	4,535.0

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Lubrizol-Deer Park	38906	04/16/07	Recycle	36,660	P	4,582.5
Turneco Oil Services	39963	04/17/07	Used oil	18,523	P	2,315.4
Atlantic Industrial Services	39948	04/18/07	Recycle-Oily Water	600	P	75.0
Farouk Systems	37714	04/18/07	CESQ2192	41,700	Р	5,212.5
GI Environmental Vacuum Service	39960	04/18/07		33,360	Р	4,170.0
GI Environmental Vacuum Service	39961	04/18/07		33,360	Р	4,170.0
J & D Oil Service	39947	04/18/07	Recycle-Oily Water	12,510	Р	1,563.8
Lubrizol-Deer Park	39665	04/18/07	Recycle	36,500	Р	4,562.5
Lubrizol-Deer Park	39666	04/18/07	Recycle	37,660	P	4,707.5
Forged Products	39911	04/19/07	Recycle-Oily Water	44,202	Р	5,525.3
GI Environmental Vacuum Service	40058	04/19/07		33,360	P	4,170.0
GI Environmental Vacuum Service	40057	04/19/07		33,360	P	4,170.0
Holcomb Oil Recycling	39871	04/19/07	Recycle-Oily Water	34,119	P	4,264.9
KMCO, Inc.	40008	04/19/07	Recycle-Oily Water	45,920	P	5,740.0
Select Environmental	40053	04/19/07	Oily water	51,708	P	6,463.5
Turneco Oil Services	39951	04/19/07	Oily water	8,340	Р	1,042.5
Atlantic Industrial Services	40109	04/20/07	Recycle-Oily Water	200	Р	25.0
Atlantic Industrial Services	40108	04/20/07	Recycle-Oily Water	400	P	50.0
Commercial Metals	40029	04/20/07	Recycle-Oily Water	43,368	P	5,421.0
Farouk Systems	37715	04/20/07	CESQ2192	5,200	Р	650.0
Golden Opportunity Recycling	40106	04/20/07		16,680	P	2,085.0
Holcomb Oil Recycling	39888	04/20/07	Recycle-Oily Water	51,299	Р	6,412.4
Lubrizol-Deer Park	39667	04/20/07	Recycle	37,760	Р	4,720.0
Lubrizol-Deer Park	39668	04/20/07	Recycle	37,820	Р	4,727.5
Enviro Solutions - Baytown	40168	04/23/07		6,672	P	834.0
Lubrizol-Deer Park	39953	04/23/07	Recycle	36,940	Р	4,617.5
Lubrizol-Deer Park	39952	04/23/07	Recycle	38,040	P	4,755.0
NOV (Magnolia)	39959	04/23/07	Recycle	1,500	P	187.5
Turneco Oii Services	40470	04/23/07	Used oil	16,472	P	2,058.9
Ameriforge Corporation	40032	04/24/07	Recycle-Oily Water	36,840	P	4,605.0
Atlantic Industrial Services	40467	04/24/07	Recycle-Oily Water	600	Р	75.0
Atlantic Industrial Services (Shreveport)	40078	04/24/07	Recycle-Oily Water	5,710	Р	713.8
Farouk Systems	37716	04/24/07	CESQ2192	41,700	P	5,212.5
GI Environmental Vacuum Service	40497	04/24/07	CLSQZIJZ	31,692	, P	3,961.5
High Island Petrochemicals	40625	04/24/07		54,210	Р	6,776.3
NOV Drilling Equipment (West Little York)	40115	04/24/07	Recycle-Oily Water	2,500	P	312.5
Select Environmental	40469	04/24/07	Oily water	48,372	P	6,046.5
Turneco Oil Services	40608	04/24/07	Used oil	18,290	P	2,286.2
Farouk Systems	37717	04/25/07	CESQ2192	41,700	P	5,212.5
·					P	6,035.0
KMTEX KMTEX	40364	04/25/07	Recycle-Black Oil Recycle-Black Oil	48,280	P	
Lubrizol-Deer Park	40365	04/25/07	·	31,600		3,950.0
Lubrizol-Deer Park	39955 39954	04/25/07 04/25/07	Recycle	38,400	P P	4,800.0
			Recycle	36,700		4,587.5
OEM	40038 40038	04/25/07	Recycle-Base Oil	5,600	P P	700.0
OEM		04/25/07	Recycle-Oily Water	800 51,708	P	100.0
Atlantic Industrial Services (Shreveport)	40079	04/26/07	Recycle-Oily Water			6,463.5
Lubrizol-Deer Park	39956	04/26/07	Recycle	35,380	P	4,422.5
Turneco Oil Services	40624	04/26/07	Oily water	8,340	P	1,042.5
Turneco Oil Services	40609	04/26/07	Used oil	18,173	P	2,271.6
Ameriforge Corporation	40477	04/27/07	Recycle-Oily Water	24,300	P	3,037.5
Farouk Systems	37718	04/27/07	CESQ2192	41,700	P	5,212.5
KMCO, Inc.	40425	04/27/07	Recycle-Oily Water	34,500	Р	4,312.5
KMCO, Inc.	40426	04/27/07	Recycle-Oily Water	29,440	Р	3,680.0
Lubrizol-Deer Park	39957	04/27/07	Recycle	40,900	P	5,112.5
Lubrizol-Deer Park	39958	04/27/07	Recycle	39,460	P	4,932.5
Pathfinder Energy Services-Interdrive West	40376	04/27/07	Recycle-Oily Water	8,340	P	1,042.5
Pathfinder Energy Services-Interdrive West	40371	04/27/07	Recycle-Oily Water	5,500	P	687.5
Select Environmental	40694	04/27/07	Oily water	50,040	Р	6,255.0
KMCO, Inc.	40612	04/28/07	Recycle-Oily Water	28,860	P	3,607.5
Lubrizol-Deer Park	40530	04/28/07	Recycle	38,220	P	4,777.5
Lubrizol-Deer Park	40529	04/28/07	Recycle	38,180	Р	4,772.5

Enviro Solutions - Baytown	40793	04/30/07		12,510	P	1,563.8
J & D Oil Service	40735	04/30/07	Recycle-Oily Water	12,510	Р	1,563.8
Lubrizol-Deer Park	40434	04/30/07	Recycle	40,520	Р	5,065.0
Lubrizol-Deer Park	40433	04/30/07	Recycle	36,960	Р	4,620.0
Turneco Oil Services	40830	04/30/07	Used oil	18,406	Р	2,300.8
						588,794.1
Enviro Solutions - Baytown	40827	05/01/07		8,340	P	1,042.5
Select Environmental	41500	05/01/07	Oily water	5,838	Р	729.8
Atlantic Industrial Services (Shreveport)	40675	05/02/07	Recycle-Oily Water	51,708	P	6,463.5
Farouk Systems	37720	05/02/07	CESQ2192	41,700	P	5,212.5
Lubrízol-Deer Park	40438	05/02/07	Recycle	37,320	P	4,665.0
Lubrizol-Deer Park	40439	05/02/07	Recycle	38,180	P	4,772.5
Turneco Oil Services	40966	05/02/07	Used oil	18,406	Р	2,300.8
Atlantic Industrial Services (Shreveport)	40685	05/03/07	Recycle-Oily Water	51,708	Р	6,463.5
Enviro Solutions - Baytown	40982	05/03/07		41,325	P	5,165.6
Lubrizol-Deer Park	40443	05/03/07	Recycle	36,300	P	4,537.5
Lubrizol-Deer Park	40441	05/03/07	Recycle	39,920	Р	4,990.0
Lubrizol-Deer Park	40442	05/03/07	Recycle	37,500	P	4.687.5
PGI International	40809	05/03/07	Recycle-Oily Water	20,850	P	2,606.3
Schlumberger Technology - IPC North	40848	05/03/07	Recycle	9,174	P	1,146.8
Select Environmental	40984	05/03/07	Oily water	51,708	Р	6,463.5
Turneco Oil Services	40967	05/03/07	Used oil	18,615	, Р	2,326.9
Vetco Gray	40683	05/03/07	Recycle-Oily Water	41,700	Р	5,212.5
,	41044	05/04/07	Necycle-Ony Water	3,753	P	469.1
Enviro Solutions - Baytown	37721		CESQ2192	29,190	P	3,648.8
Farouk Systems		05/04/07				·
Lubrizol-Deer Park	40444	05/04/07	Recycle	37,460	P	4,682.5
Select Environmental	41043	05/04/07	Oily water	31,692	P	3,961.5
Select Environmental	41042	05/04/07	Oily water	50,040	Р	6,255.0
Ameriforge Corporation	40860	05/05/07	Recycle-Oily Water	37,013	Р	4,626.6
Lubrizol-Deer Park	40452	05/05/07	Recycle	36,180	Р	4,522.5
Lubrizol-Deer Park	40450	05/05/07	Recycle	36,920	Р	4,615.0
Atlantic Industrial Services (Shreveport)	40925	05/07/07	Recycle-Oily Water	6,200	Р	775.0
Farouk Systems	40758	05/07/07	CESQ2192	26,688	P	3,336.0
KMTEX	40992	05/07/07	Recycle-Oily Water	39,100	Р	4,887.5
Lubrizol-Deer Park	40876	05/07/07	Recycle	36,660	Р	4,582.5
Proler Southwest	40986	05/07/07	Recycle-Oily Water	50,040	Р	6,255.0
Proler Southwest	40863	05/07/07	Recycle-Oily Water	6,000	Р	750.0
Proler Southwest	40864	05/07/07	Recycle-Oily Water	6,000	Р	750.0
Select Environmental	41109	05/07/07	Oily water	50,040	Р	6,255.0
Atlantic Industrial Services (Shreveport)	40926	05/08/07	Recycle-Oily Water	51,708	Р	6,463.5
KMTEX	40994	05/08/07	Recycle-Oily Water	40,560	P	5,070.0
KMTEX	40995	05/08/07	Recycle-Oily Water	32,980	Р	4,122.5
Lubrizol-Deer Park	40877	05/08/07	Recycle	38,960	Ρ	4,870.0
Lubrizol-Deer Park	40878	05/08/07	Recycle	39,820	P	4,977.5
Atlantic Industrial Services	41296	05/09/07	Recycle-Oily Water	400	Р	50.0
Atlantic Industrial Services (Shreveport)	41060	05/09/07	Recycle-Oily Water	51,708	Р	6,463.5
Dresser Flow	41028	05/09/07	Recycle-Coolant	39,198	Р	4,899.8
Farouk Systems	40759	05/09/07	CESQ2192	43,368	Р	5,421.0
Forged Vessel Connections, Inc.	41024	05/09/07	Recycle-Oily Water	35,028	P	4,378.5
Holcomb Oil Recycling	41065	05/09/07	Recycle-Oily Water	41,433	P	5,179.1
Holcomb Oil Recycling	41066	05/09/07	Recycle-Oily Water	43,868	Р	5,483.5
Houston Grinding and Mfg.	41131	05/09/07	Recycle-Oily Water	12,510	Р	1,563.8
Lubrizol-Deer Park	40879	05/09/07	Recycle	38,140	P	4,767.5
Lubrizol-Deer Park	40880	05/09/07	Recycle	37,920	Р	4,740.0
GI Environmental Vacuum Service	41385	05/10/07		33,360	, P	4,170.0
MIC MIC	41006	05/10/07	recycle-coolant/oil	25,229	P	3,153.6
				41,700	P	
Proler Southwest	40899	05/10/07	Recycle-Oily Water			5,212.5
Atlantic Industrial Services (Shreveport)	41061	05/11/07	Recycle-Oily Water	51,708	P	6,463.5
Enviro Solutions - Baytown	41458	05/11/07	CECC2402	23,352	P	2,919.0
Farouk Systems	40760	05/11/07	CESQ2192	43,368	Р	5,421.0

Lubrizol-Deer Park	40884	05/11/07	Recycle	38,760	Р	4,845.0
Lubrizol-Deer Park	40885	05/11/07	Recycle	36,560	P	4,570.0
Ovalen Development LLC	41235	05/11/07	Recycle	5,200	Р	650.0
Ethyl Corporation	41491	05/12/07	Recycle-Oily Water	43,880	Р	5,485.0
Lubrizol-Deer Park	40887	05/12/07	Recycle	33,460	P	4,182.5
Lubrizol-Deer Park	40886	05/12/07	Recycle	35,720	P	4,465.0
NOV Drilling Equipment (Lockwood)	41274	05/12/07	Recycle	25,020	ρ	3,127.5
Ameriforge Corporation	41170	05/14/07	Recycle-Oily Water	41,700	P	5,212.5
Commercial Metals	41480	05/14/07	Recycle-Oily Water	45,870	P	5,733.8
Enviro Solutions - Baytown	41538	05/14/07		15,012	Р	1,876.5
Farouk Systems	41319	05/14/07	CESQ2192	45,870	P	5,733.8
Proler Southwest	41397	05/15/07	Recycle-Oily Water	41,700	Р	5,212.5
Turneco Oil Services	41612	05/15/07	Used oil	18,406	₽	2,300.8
Enviro Solutions - Baytown	41660	05/16/07		21,684	Р	2,710.5
Farouk Systems	41320	05/16/07	CESQ2192	41,320	P	5,165.0
Proler Southwest	41398	05/16/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	41399	05/16/07	Recycle-Oily Water	5,000	Р	625.0
Select Environmental	42012	05/16/07	Oily water	50,040	Р	6,255.0
Turneco Oil Services	41668	05/16/07	Used oil	18,290	Р	2,286.2
Vetco Gray	41471	05/16/07	Recycle-Oily Water	41,700	Р	5,212.5
Atlantic Industrial Services	41677	05/17/07	Recycle-Oily Water	400	Р	50.0
Atlantic Industrial Services (Shreveport)	41507	05/17/07	Recycle-Oily Water	51,708	P	6,463.5
Greens Bayou Pipe Mill, LP	41648	05/17/07	Recycle-Oily Water	600	Р	75.0
Holcomb Oil Recycling	41622	05/17/07	Recycle-Oily Water	36,888	P	4,611.0
Turneco Oil Services	41669	05/17/07	Used oil	18,523	Р	2,315.4
Ameriforge Corporation	41483	05/18/07	Recycle-Oily Water	23,420	Р	2,927.5
Enviro Solutions - Baytown	41838	05/18/07		23,352	P	2,919.0
Enviro Solutions - Baytown	41839	05/18/07		5,421	Р	677.6
Farouk Systems	41321	05/18/07	CESQ2192	45,870	Р	5,733.8
Lubrizol-Deer Park	41664	05/18/07	Recycle	36,240	P	4,530.0
Lubrizol-Deer Park	41665	05/18/07		34,920	P	4,365.0
			Recycle			CO7 F
Proler Southwest	41698	05/18/07	Recycle-Oily Water	5,500	Р	687.5
Proier Southwest Lubrizol-Deer Park	41698 41667	05/18/07 05/19/07	Recycle-Oily Water	5,500 35,000	P P	4,375.0
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park	41698 41667 41666	05/18/07 05/19/07 05/19/07	Recycle-Oily Water Recycle Recycle	5,500 35,000 36,260	P P P	4,375.0 4,532.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX	41698 41667 41666 41693	05/18/07 05/19/07 05/19/07 05/21/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water	5,500 35,000 36,260 50,420	P P P	4,375.0 4,532.5 6,302.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC	41698 41667 41666 41693 41679	05/18/07 05/19/07 05/19/07 05/21/07 05/21/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870	P P P P	4,375.0 4,532.5 6,302.5 5,733.8
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport)	41698 41667 41666 41693 41679 41833	05/18/07 05/19/07 05/19/07 05/21/07 05/21/07 05/22/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708	P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown	41698 41667 41666 41693 41679 41833 42001	05/18/07 05/19/07 05/19/07 05/21/07 05/21/07 05/22/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004	P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX	41698 41667 41666 41693 41679 41833	05/18/07 05/19/07 05/19/07 05/21/07 05/21/07 05/22/07 05/22/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840	P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park	41698 41667 41666 41693 41679 41833 42001 41694	05/18/07 05/19/07 05/19/07 05/21/07 05/21/07 05/22/07 05/22/07 05/22/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004	P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX	41698 41667 41666 41693 41679 41833 42001 41694 41680	05/18/07 05/19/07 05/19/07 05/21/07 05/21/07 05/22/07 05/22/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700	P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental	41698 41667 41666 41693 41679 41833 42001 41694 41680 42005	05/18/07 05/19/07 05/19/07 05/21/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372	P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services	41698 41667 41666 41693 41679 41833 42001 41694 41680 42005 41969	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems	41698 41667 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily water Used oil CESQ2192	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX	41698 41667 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil CESQ2192 Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840	P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX KMTEX	41698 41667 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX KMTEX Lubrizol-Deer Park	41698 41667 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NMTEX Lubrizol-Deer Park	41698 41667 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 41613	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOTEX Lubrizol-Deer Park Select Environmental	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 41613 42072	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3 6,255.0
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 41613 42072 42081	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Oily Water Recycle Necycle Necycle Necycle Oily Water Used oil	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3 6,255.0 2,315.4
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 41613 42072 42081 42183	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily Water Recycle Recycle Oily Water Used oil Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 521.3 6,255.0 2,315.4 42.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 41613 42072 42081 42183 42184	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/24/07 05/24/07 05/24/07 05/24/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil CESQ2192 Recycle-Oily Water Recycle Oily water Used oil Recycle-Oily Water Recycle Recycle Oily water Used oil Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5 4,378.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41681 41613 42072 42081 42183 42184 41834	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07	Recycle-Oily Water Recycle Recycle Coily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil CESQ2192 Recycle-Oily Water Recycle Recycle-Oily Water Recycle Oily water Used oil Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320 51,708	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Boring Specialties	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41681 41613 42072 42081 42183 42184 41834 42180	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/24/07 05/24/07 05/24/07 05/24/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil CESQ2192 Recycle-Oily Water Recycle Recycle Oily water Used oil Recycle-Oily Water Recycle Recycle Oily water Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320 51,708 35,028	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5 4,378.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Boring Specialties Lubrizol-Deer Park	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 42072 42081 42183 42184 41834 42180 41682	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/24/07 05/24/07 05/24/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320 51,708 35,028 36,480 20,850 12,510	P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5 4,378.5 4,560.0 2,606.3 1,563.8
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Boring Specialties Lubrizol-Deer Park NOV Drilling Equipment (West Little York)	41698 41667 41666 41693 41679 41833 42001 41694 41695 41707 41692 41695 41681 42072 42081 42183 42184 41834 42180 41682 41897	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07	Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil CESQ2192 Recycle-Oily Water Recycle Recycle Oily water Used oil Recycle-Oily Water Recycle Oily water Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320 51,708 35,028 36,480 20,850	P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 4,322.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5 4,378.5 4,560.0 2,606.3
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Boring Specialties Lubrizol-Deer Park NOV Drilling Equipment (West Little York) Phillips Waste Oil	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 42072 42081 42183 42184 41834 42180 41682 41897 42170 41874 41875	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil Recycle-Oily Water Recycle Recycle Oily water Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320 51,708 35,028 36,480 20,850 12,510 41,700 5,000	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5 4,378.5 4,560.0 2,606.3 1,563.8 5,212.5 625.0
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Boring Specialties Lubrizol-Deer Park NOV Drilling Equipment (West Little York) Phillips Waste Oil Proler Southwest	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41681 41613 42072 42081 42183 42184 41834 42180 41882 41897 42170 41874 41875 41878	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Oily Water Recycle Oily Water Recycle Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320 51,708 35,028 36,480 20,850 12,510 41,700 5,000 41,700	P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5 4,378.5 4,560.0 2,606.3 1,563.8 5,212.5 625.0 5,212.5
Proler Southwest Lubrizol-Deer Park Lubrizol-Deer Park KMTEX Ovalen Development LLC Atlantic Industrial Services (Shreveport) Enviro Solutions - Baytown KMTEX Lubrizol-Deer Park Select Environmental Turneco Oil Services Farouk Systems KMTEX Lubrizol-Deer Park NOV (Magnolia) Select Environmental Turneco Oil Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services Lubrizol-Deer Park NOV Drilling Equipment (West Little York) Phillips Waste Oil Proler Southwest	41698 41666 41693 41679 41833 42001 41694 41680 42005 41969 41707 41692 41695 41681 42072 42081 42183 42184 41834 42180 41682 41897 42170 41874 41875	05/18/07 05/19/07 05/19/07 05/21/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/22/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/23/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07 05/24/07	Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Used oil CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Oily water Used oil Recycle-Oily Water Recycle Recycle Oily water Used oil Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	5,500 35,000 36,260 50,420 45,870 51,708 5,004 47,840 33,700 48,372 18,406 45,870 42,840 36,180 34,580 4,170 50,040 18,523 340 320 51,708 35,028 36,480 20,850 12,510 41,700 5,000	P P P P P P P P P P P P P P P P P P P	4,375.0 4,532.5 6,302.5 5,733.8 6,463.5 625.5 5,980.0 4,212.5 6,046.5 2,300.8 5,733.8 5,355.0 4,522.5 521.3 6,255.0 2,315.4 42.5 40.0 6,463.5 4,378.5 4,560.0 2,606.3 1,563.8 5,212.5 625.0

Lubrizol-Deer Park	41683	05/25/07	Registe	33,660	P	4,207.5
Momentum Biofuels	42088	05/25/07	Recycle Recycle-Oily Water	54,210	P	6,776.3
Lubrizol-Deer Park	41973	05/26/07			P	4,320.0
			Recycle	34,560		
Lubrizol-Deer Park	41972	05/26/07	Recycle	40,300	P	5,037.5
Pathfinder Energy Services-Interdrive West	41958	05/26/07	Recycle-Oily Water	41,700	P	5,212.5
T3 Energy Services - Cypress	42046	05/26/07	Recycle-Oily Water	25,020	Р	3,127.5
Ameriforge Corporation	42242	05/29/07	Recycle-Oily Water	24,940	P	3,117.5
Enviro Solutions - Baytown	42410	05/29/07		5,421	Р	677.6
Hydril HHP	42236	05/29/07	Recycle-Oily Water	41,700	Р	5,212.5
Lubrizol-Deer Park	42037	05/29/07	Recycle	36,840	Р	4,605.0
Precision Tube Tech.	42237	05/2 9 /07	Recycle-Oily Water	26,688	Р	3,336.0
Select Environmental	42409	05/29/07	Oily water	48,372	P	6,046.5
T3 Energy Services - Cypress	42223	05/29/07	Recycle-Oily Water	12,510	P	1,563.8
Turneco Oil Services	42358	05/29/07	Fuel Oil	18,348	P	2,293.5
Vetco Gray	42216	05/29/07	Recycle-Oily Water	41,700	P	5,212.5
Ameriforge Corporation	42052	05/30/07	Recycle-Oily Water	35,120	Р	4,390.0
Atlantic Industrial Services (Shreveport)	42195	05/30/07	Recycle-Oily Water	6,200	P	775.0
Farouk Systems	42109	05/30/07	CESQ2192	45,870	P	5,733.8
Forged Products	42354	05/30/07	Recycle-Oily Water	5,500	Р	687.5
Hydril HHP	42051	05/30/07	Recycle-Used Oil	450	P	56.3
Hydril HHP	42051	05/30/07	Recycle-Used Oil	450	Р	56.3
Hydril HHP	42053	05/30/07	Recycle-Oily Water	13,344	P	1,668.0
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Lubrizol-Deer Park	42038	05/30/07	Recycle	36,820	P	4,602.5
PGI International	42193	05/30/07	Recycle-Oily Water	2,000	P	250.0
Proler Southwest	42265	05/30/07	Recycle-Oily Water	41,700	Р	5,212.5
Select Environmental	42450	05/30/07	Oily water	36,696	Р	4,587.0
Turneco Oil Services	42359	05/30/07	Oily water	16,680	Р	2,085.0
Turneco Oil Services	42441	05/30/07	Use d oil	18,406	Р	2,300.8
Atlantic Industrial Services (Shreveport)	42196	05/31/07	Recycle-Oily Water	51,708	Р	6,463.5
Boring Specialties	42429	05/31/07	Oily water	20,850	P	2,606.3
Forged Products	42356	05/31/07	Recycle-Oily Water	4,170	P	521.3
Hydril HHP	42362	05/31/07	Recycle-Oily Water	41,700	P	5,212.5
Hydril HHP	42363	05/31/07	Recycle-Oily Water	41,700	P	5,212.5
riyani tirii	72303	,,	,,	,,		
Lubrizol-Deer Park	42039	05/31/07	Recycle	35,420	P P	4,427.5
,						4,427.5 5,733.8
Lubrizol-Deer Park	42039	05/31/07	Recycle	35,420	P	
Lubrizol-Deer Park Proler Southwest	42039 42418	05/31/07 05/31/07	Recycle Recycle-Oily Water	35,420 45,870	P P	5,733.8
Lubrizol-Deer Park Proler Southwest Turneco Oil Services	42039 42418 42527	05/31/07 05/31/07 05/31/07	Recycle Recycle-Oily Water Fuel Oil	35,420 45,870 18,348	Р Р Р	5,733.8 2,293.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services	42039 42418 42527	05/31/07 05/31/07 05/31/07	Recycle Recycle-Oily Water Fuel Oil	35,420 45,870 18,348	Р Р Р	5,733.8 2,293.5 1,042.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services	42039 42418 42527 42442	05/31/07 05/31/07 05/31/07 05/31/07	Recycle Recycle-Oily Water Fuel Oil Oily water	35,420 45,870 18,348 8,340	Р Р Р	5,733.8 2,293.5 1,042.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport)	42039 42418 42527 42442 42233	05/31/07 05/31/07 05/31/07 05/31/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water	35,420 45,870 18,348 8,340	P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems	42039 42418 42527 42442 42233 42110	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192	35,420 45,870 18,348 8,340 51,708 29,190	P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP	42039 42418 42527 42442 42233 42110 42489	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700	P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP	42039 42418 42527 42442 42233 42110 42489 42487	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368	P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120	P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960	P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700	P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870	P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510	P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560	P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424 42385	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424 42385 42386	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640 37,740	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0 4,717.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424 42385	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424 42385 42386	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640 37,740	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0 4,717.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424 42385 42386 42460	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640 37,740 26,688	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0 4,717.5 3,336.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42342 42385 42386 42460 42460	05/31/07 05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07 06/04/07 06/04/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640 37,740 26,688 25,020	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0 4,717.5 3,336.0 3,127.5
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Dresser Flow Farouk Systems KMCO, Inc.	42039 42418 42527 42442 42233 42110 42489 42487 42040 42268 42269 42518 42355 42678 4244 42385 42460 42460 42466 42701	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07 06/04/07 06/04/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640 37,740 26,688 25,020 39,000	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0 4,717.5 3,336.0 3,127.5 4,875.0
Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Dresser Flow Farouk Systems KMCO, Inc. Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424 42385 42386 42460 42466 42701 42387	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07 06/04/07 06/04/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle Recycle-Oily Water	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640 37,740 26,688 25,020 39,000 38,220	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0 4,717.5 3,336.0 3,127.5 4,875.0 4,777.5
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Lubrizol-Deer Park Proler Southwest Turneco Oil Services Turneco Oil Services Atlantic Industrial Services (Shreveport) Farouk Systems Hydril HHP Hydril HHP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Vetco Gray Ameriforge Corporation GI Environmental Vacuum Service Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	42039 42418 42527 42442 42233 42110 42489 42487 42384 42040 42268 42269 42518 42355 42678 42424 42385 42460 42466 42701 42387 42388 42389	05/31/07 05/31/07 05/31/07 05/31/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/01/07 06/02/07 06/02/07 06/02/07 06/02/07 06/02/07 06/04/07 06/04/07 06/04/07 06/04/07	Recycle Recycle-Oily Water Fuel Oil Oily water Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle	35,420 45,870 18,348 8,340 51,708 29,190 41,700 43,368 37,120 35,960 41,700 45,870 12,510 39,560 17,840 34,860 40,640 37,740 26,688 25,020 39,000 38,220 38,460 35,880	P P P P P P P P P P P P P P P P P P P	5,733.8 2,293.5 1,042.5 581,428.9 6,463.5 3,648.8 5,212.5 5,421.0 4,640.0 4,495.0 5,212.5 5,733.8 1,563.8 4,945.0 2,230.0 4,357.5 5,080.0 4,717.5 3,336.0 3,127.5 4,875.0 4,777.5 4,807.5 4,485.0

Lubrizol-Deer Park	42391	06/05/07	Recycle	44 330	Р	F F37 F
Lubrizol-Deer Park	42390	06/05/07	Recycle	44,220 43,060	P	5,527.5 5,382.5
Lubrizol-Deer Park	42392	06/05/07	Recycle	43,520	P	5,440.0
Proler Southwest	42568	06/05/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	42567	06/05/07	Recycle-Oily Water	41,700	P	5,212.5
Turneco Oil Services	42712	06/05/07	Oily water	15,012	P	
Farouk Systems	42467	06/06/07	CESQ2192	25,020	P	1,876.5
Lubrizol-Deer Park	42394	06/06/07	Recycle		P	3,127.5
Lubrizol-Deer Park	42393	06/06/07	Recycle	40,020		5,002.5
Turneco Oil Services	42953	06/06/07	Used oil	42,800	P	5,350.0
Vetco Gray	42566			18,406	P	2,300.8
Golden Opportunity Recycling		06/06/07 06/07/07	Recycle-Oily Water	2,500	P	312.5
Lubrizol-Deer Park	42945			16,680	P	2,085.0
Lubrizol-Deer Park	42397	06/07/07	Recycle	38,860	Р	4,857.5
OEM	42396	06/07/07	Recycle	42,000	P	5,250.0
	42780	06/07/07	RECYCLE	300	P _	37.5
OEM	42780	06/07/07	RECYCLE	800	Ρ .	100.0
OEM	42718	06/07/07	Recycle-Oily Water	11,676	Р	1,459.5
Turneco Oil Services	42954	06/07/07	Used oil	18,348	Р	2,293.5
Farouk Systems	42468	06/08/07	CESQ2192	20,850	Р	2,606.3
KMTEX	42853	06/08/07	Recycle-Oily Water	48,460	Р	6,057.5
Lubrizol-Deer Park	42399	06/08/07	Recycle	40,500	Р	5,062.5
NOV (Magnolia)	42857	06/08/07	Recycle	12,510	Р	1,563.8
Proler Southwest	42927	06/08/07	Recycle-Oily Water	5,000	Р	625.0
Proler Southwest	42928	06/08/07	Recycle-Oily Water	41,700	Р	5,212.5
Ethyl Corporation	42972	06/11/07	Recycle-Lube Oils	7,080	Ρ	885.0
Farouk Systems	42827	06/11/07	CESQ2192	25,020	Р	3,127.5
Greens Bayou Pipe Mill, LP	42949	06/11/07	Recycle-Oily Water	600	P	75.0
Holcomb Environmental	43348	06/11/07	Recyclable	16,680	P	2,085.0
Holcomb Environmental	43347	06/11/07	Recyclable	16,680	P	2,085.0
KMTEX	42855	06/11/07	Recycle-Oily Water	48,700	P	6,087.5
KMTEX	42856	06/11/07	Recycle-Oily Water	41,080	P	5,135.0
KMTEX	42854	06/11/07	Recycle-Oily Water	45,220	Ρ	5,652.5
Lubrizol-Deer Park	42894	06/11/07	Recycle	37,680	P	4,710.0
Lubrizol-Deer Park	42893	06/11/07	Recycle	39,640	P	4,955.0
Sunbelt Machine Works Corporation	42956	06/11/07	Recycle-Oily Water	10,008	Р	1,251.0
Turneco Oil Services	43232	06/11/07	Fuel Oil	16,680	P	2,085.0
Ameriforge Corporation	43007	06/12/07	Recycle-Oily Water	38,460	Р	4,807.5
Lubrizol-Deer Park	42896	06/12/07	Recycle	38,400	P	4,800.0
Turneco Oil Services	43233	06/12/07	Used oil	18,523	P	2,315.4
Farouk Systems	42828	06/13/07	CESQ2192	33,720	Р	4,215.0
GI Environmental Vacuum Service	43213	06/13/07		20,850	Ρ	2,606.3
GI Environmental Vacuum Service	43212	06/13/07		29,190	P	3,648.8
Lubrizol-Deer Park	42900	06/13/07	Recycle	40,480	P	5,060.0
Lubrizol-Deer Park	43248	06/13/07	Recycle	40,580	P	5,072.5
Lubrizol-Deer Park	43249	06/13/07	Recycle	30,500	P	3,812.5
Trinity Railcar Repair, Inc. (Plant #4117)	43041	06/13/07	Recycle	42,150	Р	5,268.8
Enviro Solutions - Baytown	43332	06/14/07		16,680	P	2,085.0
Forged Products	43194	06/14/07	Recycle-Oily Water	50,040	P	6,255.0
Golden Opportunity Recycling	43324	06/14/07		16,680	Р	2,085.0
Hutchison Hayes International-Baytown	43334	06/14/07	Recycle-Oily Water	50,040	P	6,255.0
Lubrizol-Deer Park	42910	06/14/07	Recycle	39,580	P	4,947.5
Lubrizol-Deer Park	42909	06/14/07	Recycle	39,760	P	4,970.0
Precision Tube Tech.	43200	06/14/07	Recycle-Oily Water	37,530	P	4,691.3
Turneco Oil Services	43292	06/14/07	Fuel Oil	17,514	Р	2,189.3
Turneco Oil Services	43234	06/14/07	Used oil	18,406	P	2,300.8
Atlantic Industrial Services	43547	06/15/07	Recycle-Oily Water	200	Р	25.0
Enviro Solutions - Baytown	43401	06/15/07		16,680	Р	2,085.0
Farouk Systems	42829	06/15/07	CESQ2192	45,870	P	5,733.8
Golden Opportunity Recycling	43404	06/15/07		16,680	P	2,085.0
Lubrizol-Deer Park	42913	06/15/07	Recycle	33,220	P	4,152.5
Lubrizol-Deer Park	42915	06/15/07	Recycle	29,720	P	3,715.0
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Lubrizol-Deer Park	42911	06/15/07	Recycle	28,760	P	3,595.0
Select Environmental	43402	06/15/07	Oily water	48,372	Р	6,046.5
T3 Energy Services - Cypress	43169	06/15/07	Recycle-Oily Water	26,688	P	3,336.0
Forged Products	43350	06/16/07	Recycle-Oily Water	12,645	P	1,580.6
Lubrizol-Deer Park	42919	06/16/07	Recycle	32,040	Р	4,005.0
Lubrizol-Deer Park	42920	06/16/07	Recycle	31,480	P	3,935.0
Ameriforge Corporation	43370	06/18/07	Recycle-Oily Water	26,360	Р	3,295.0
Enviro Solutions - Baytown	43543	06/18/07	,,	7,506	Р	938.3
Farouk Systems	43205	06/18/07	CESQ2192	46,365	P	5,795.6
Select Environmental	43546	06/18/07	Oily water	48,372	Р	6,046.5
Proler Southwest	43477	06/19/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	43476	06/19/07	Recycle-Oily Water	50,040	Р	6,255.0
Turneco Oil Services	43540	06/19/07	Used oil	18,523	Р	2,315.4
Ameriforge Corporation	43299	06/20/07	Recycle-Oily Water	32,300	Р	4,037.5
Farouk Systems	43206	06/20/07	CESQ2192	39,198	P	4,899.8
Lubrizol-Deer Park	43067	06/20/07	Recycle	35,220	Р	4,402.5
Lubrizol-Deer Park	43068	06/20/07	Recycle	36,266	Р	4,533.3
Turneco Oil Services	43779	06/20/07	Used oil	18,290	P	2,286.2
Lubrizol-Deer Park	43070	06/21/07	Recycle	31,500	P	3,937.5
Lubrizol-Deer Park	43761	06/21/07	Recycle	33,840	P	4,230.0
Schlumberger Technology - IPC North	43624	06/21/07	Recycle	12,510	Р	1,563.8
Turneco Oil Services	43781	06/21/07	Used oil	17,114	Р	2,139.2
Farouk Systems	43207	06/22/07	CESQ2192	37,530	P	4,691.3
Forged Products	43629	06/22/07	Recycle-Oily Water	41,700	Р	5,212.5
GI Environmental Vacuum Service	43855	06/22/07		29,190	Р	3,648.8
Lubrizol-Deer Park	43871	06/22/07	Recycle	40,860	P	5,107.5
Lubrizol-Deer Park	43074	06/22/07	Recycle	33,580	P	4,197.5
Turneco Oil Services	43802	06/22/07	Fuel Oil	17,514	Р	2,189.3
GI Environmental Vacuum Service	44105	06/23/07		12,340	Р	1,542.5
Ameriforge Corporation	43796	06/25/07	Recycle-Oily Water	41,700	Р	5,212.5
Farouk Systems	43704	06/25/07	CESQ2192	26,688	Р	3,336.0
Turneco Oil Services	44210	06/25/07	Fuel Oil	16,680	Р	2,085.0
GI Environmental Vacuum Service	43940	06/26/07		26,438	P	3,304.8
Golden Opportunity Recycling	44077	06/26/07		16,680	Р	2,085.0
Lubrizol-Deer Park	43691	06/26/07	Recycle	33,240	P	4,155.0
Lubrizol-Deer Park	43690	06/26/07	Recycle	39,680	Р	4,960.0
Proler Southwest	43685	06/26/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	43686	06/26/07	Recycle-Oily Water	5,000	G	625.0
Turneco Oil Services	44226	06/26/07	Used oil	18,206	Р	2,275.8
Farouk Systems	43705	06/27/07	CESQ2192	29,190	P	3,648.8
Forged Products	43975	06/27/07	Recycle-Oily Water	45,870	P	5,733.8
GI Environmental Vacuum Service	44067	06/27/07		29,190	Р	3,648.8
Holcomb Environmental	44075	06/27/07	Recyclable	16,680	Р	2,085.0
Lubrizol-Deer Park	43693	06/27/07	Recycle	44,580	Р	5,572.5
Lubrizol-Deer Park	43692	06/27/07	Recycle	44,060	P	5,507.5
Proler Southwest	43884	06/27/07	Recycle-Oily Water	50,040	Р	6,255.0
Proler Southwest	43885	06/27/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	43886	06/27/07	Recycle-Oily Water	50,040	Р	6,255.0
Turneco Oil Services	44229	06/27/07	Used oil	17,873	P	2,234.1
GI Environmental Vacuum Service	44231	06/28/07		24,186	P	3,023.3
GI Environmental Vacuum Service	44151	06/28/07		24,186	Р	3,023.3
Holcomb Environmental	44230	06/28/07	Recyclable	16,680	Р	2,085.0
Lubrizol-Deer Park	43694	06/28/07	Recycle	35,780	P	4,472.5
Lubrizol-Deer Park	43695	06/28/07	Recycle	36,540	P	4,567.5
Ovalen Development LLC	43953	06/28/07	Recycle	41,700	P	5,212.5
Turneco Oil Services	44184	06/28/07	Fuel Oil	10,008	P	1,251.0
Turneco Oil Services	44202	06/28/07	Fuel Oil	17,514	P	2,189.3
Dresser Flow	43928	06/29/07	Recycle-Coolant	41,700	P	5,212.5
Farouk Systems	43706	06/29/07	CESQ2192	29,190	P	3,648.8
MIC	43992		recycle-coolant/oil	29,190	P	3,648.8
Turneco Oil Services	44376	06/29/07	Oily water	16,680	Р	2,085.0

Lubrizol-Deer Park	43698	06/30/07	Recycle	35,500	Р	4,437.5
Lubrizol-Deer Park	43699	06/30/07	Recycle	27,580	P	3,447.5
T3 Energy Services - Cypress	44235	06/30/07	Recycle-Oily Water	25,020	P	3,127.5
				<u></u>		548,761.9
Enviro Solutions - Baytown	44489	07/02/07		50,040	P	6,255.0
Enviro Solutions - Baytown	44482	07/02/07		25,020	P	3,127.5
Enviro Solutions - Baytown	44477	07/02/07		54,210	P	6,776.3
Ethyl Corporation	44476	07/02/07	Recycle-Oily Water	46,260	P	5,782.5
Farouk Systems	44132	07/02/07	CESQ2192	20,850	Р	2,606.3
Holcomb Environmental	44485	07/02/07	Recyclable	12,510	Р	1,563.8
Select Environmental	44486	07/02/07	Oily water	48,372	P	6,046.5
Ameriforge Corporation	44309	07/03/07	Recycle-Oily Water	39,198	Р	4,899.8
Enviro Solutions - Baytown	44588	07/03/07		50,040	Р	6,255.0
Enviro Solutions - Baytown	44587	07/03/07		50,874	₽	6,359.3
Enviro Solutions - Baytown	44589	07/03/07		50,040	Р	6,255.0
Gl Environmental Vacuum Service	44603	07/03/07		11,020	Р	1,377.5
GI Environmental Vacuum Service	44605	07/03/07		22,034	P	2,754.3
Proler Southwest	44335	07/03/07	Recycle-Oily Water	43,368	Р	5,421.0
Proler Southwest	44334	07/03/07	Recycle-Oily Water	43,368	Р	5,421.0
Turneco Oil Services	44495	07/03/07	Fuel Oil	18,348	Р	2,293.5
GI Environmental Vacuum Service	44813	07/04/07		29,190	Р	3,648.8
Atlantic Industrial Services	44955	07/05/07	Recycle-Oily Water	400	P	50.0
Enviro Solutions - Baytown	44822	07/05/07		22,518	P	2,814.8
Enviro Solutions - Baytown	44673	07/05/07		50,040	Р	6,255.0
Enviro Solutions - Baytown	44672	07/05/07		50,874	Р	6,359.3
Enviro Solutions - Baytown	44674	07/05/07		50,874	Р	6,359.3
Enviro Solutions - Baytown	44676	07/05/07		12,510	P	1,563.8
Forged Vessel Connections, Inc.	44357	07/05/07	Recycle-Oily Water	29,190	Р	3,648.8
Ovalen Development LLC	44340	07/05/07	Recycle	41,700	P	5,212.5
Turneco Oil Services	44599	07/05/07	Oily water	12,510	Р	1,563.8
Turneco Oil Services	44685	07/05/07	Used oil	18,406	P	2,300.8
Vetco Gray	44436	07/05/07	Recycle-Oily Water	41,700	Р	5,212.5
Ameriforge Corporation	44609	07/06/07	Recycle-Oily Water	46,715	Р	5,839.4
Farouk Systems	44133	07/06/07	CESQ2192	41,700	P	5,212.5
GI Environmental Vacuum Service	44823	07/06/07		29,190	Р	3,648.8
GI Environmental Vacuum Service	44821	07/06/07		12,510	Р	1,563.8
Proler Southwest	44336	07/06/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	44659	07/06/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	44338	07/06/07	Recycle-Oily Water	41,700	Р	5,212.5
Schlumberger Technology - IPC North	44719	07/06/07	Recycle	7,923	Р	990.4
Select Environmental	44814	07/06/07	Oily water	35,028	P	4,378.5
Select Environmental	44815	07/06/07	Oily water	45,870	Р	5,733.8
Turneco Oil Services	44652	07/06/07	Fuel Oil	16,680	Р	2,085.0
Ameriforge Corporation	44611	07/07/07	Recycle-Oily Water	35,580	Р	4,447.5
Atlantic Industrial Services	44804	07/07/07	Recycle-Oily Water	50,274	Р	6,284.3
Ethyl Corporation	44806	07/07/07	Recycle-Oily Water	47,740	P _	5,967.5
Martin Transport	44417	07/07/07	Recycle-Oily Water	33,360	P	4,170.0
Ameriforge Corporation	44612	07/09/07	Recycle-Oily Water	23,052	P	2,881.5
Atlantic Industrial Services	44903	07/09/07	Recycle-Oily Water	834	P	104.3
Energy Transfer/Houston Pipeline	44278	07/09/07	Oily water	50,040	Р	6,255.0
Energy Transfer/Houston Pipeline	44283	07/09/07	Oily water	50,040	P	6,255.0
Energy Transfer/Houston Pipeline	44273	07/09/07	Oily water	41,700	P P	5,212.5
Energy Transfer/Houston Pipeline	44274	07/09/07	Oily water	41,700	P	5,212.5
Energy Transfer/Houston Pipeline	44276	07/09/07	Oily water	41,700	P P	5,212.5
Farouk Systems	44560	07/09/07	CESQ2192	37,530 45,870		4,691.3
Forged Products	44747	07/09/07	Recycle-Oily Water	45,870	P	5,733.8
GI Environmental Vacuum Service	44894	07/09/07	Beaucle Otherster-	29,190	P	3,548.8
Gulf Coast Oil Recovery	44885	07/09/07	Recycle-Oily Water	50,040	P	6,255.0
Hydril HHP	44266	07/09/07	Recycle-Used Oil	2,000	P	250.0
KMTEX	44540	07/09/07	Recycle-Oily Water	43,860	Р	5,482.5

KMTEX	44541	07/09/07	Recycle-Oily Water	49,180	Р	6,147.5
Select Environmental	44886	07/09/07	Oily water	48,372	Р	6,046.5
Turneco Oil Services	45041	07/09/07	Fuel Oil	18,348	Р	2,293.5
Energy Transfer/Houston Pipeline	44840	07/10/07	Oily water	41,700	P	5,212.5
Energy Transfer/Houston Pipeline	44841	07/10/07	Oily water	41,700	Р	5,212.5
GI Environmental Vacuum Service	44954	07/10/07		20,850	P	2,606.3
PGI International	44811	07/10/07	Recycle-Oily Water	15,012	· P	1,876.5
Turneco Oil Services	44875	07/10/07	Fuel Oil	18,348	P	2,293.5
Atlantic Industrial Services (Shreveport)	44760	07/11/07	Recycle-Oily Water	51,708	Р	6,463.5
Enviro Solutions - Baytown	45445	07/11/07	,	10,049	P	1,256.1
Ethyl Corporation	45099	07/11/07	Recycle-Oily Water	47,000	Р	5,875.0
Farouk Systems	44561	07/11/07	CESQ2192	25,020	Р	3,127.5
KMTEX	44919	07/11/07	Recycle-Oily Water	39,980	P	4,997.5
Proler Southwest	44781	07/11/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	44780	07/11/07	Recycle-Oily Water	41,700	, P	5,212.5
Schlumberger Technology - IPC North	44842	07/11/07	Recycle	20,016	P	2,502.0
Turneco Oil Services	45040	07/11/07	Fuel Oil	17,931	P	2,241.4
Turneco Oil Services	44946	07/11/07	Oily water	16,680	P	2,085.0
Ethyl Corporation	45098	07/12/07	Recycle-Oily Water	47,400	P	5,925.0
GI Environmental Vacuum Service	45154	07/12/07	necycle only traces	21,476	P	2,684.5
GI Environmental Vacuum Service	45155	07/12/07		22,034	P	
Select Environmental	45097	07/12/07	Oily water	45,870	P	2,754.3 5,733.8
Enviro Solutions - Baytown	45218	07/13/07	Ony water	25,020	P	3,127.5
Farouk Systems	44562	07/13/07	CESQ2192	33,360	P	4,170.0
Lubrizol-Deer Park	45046	07/13/07	Recycle	33,820	P	
Lubrizol-Deer Park	45047	07/13/07	Recycle	29,940	P	4,227.5 3,742.5
Lubrizol-Deer Park	45049	07/14/07	Recycle	40,160	P	5,020.0
Lubrizol-Deer Park	45048	07/14/07	Recycle	35,540	P	4,442.5
Turneco Oil Services	45177	07/14/07	Fuel Oil	19,749	p	2,468.6
Atlantic Industrial Services (Shreveport)	45114	07/16/07	Recycle-Oily Water	45,870	P	
Atlantic Industrial Services (Shreveport)	45115	07/16/07	Recycle-Oily Water	51,708	Р	5,733.8 6,463.5
Enviro Solutions - Baytown	45303	07/16/07	Recycle-Ony water	8,340	P	1,042.5
Farouk Systems	45010	07/16/07	CESQ2192	25,020	P	3,127.5
Atlantic Industrial Services	45694	07/17/07	Recycle-Oily Water	600	P	75.0
Atlantic Industrial Services	45755	07/17/07	Recycle-Oily Water	600	P	75.0
KMTEX	45234	07/17/07	Recycle-Oily Water	39,260	P	4,907.5
KMTEX	45232	07/17/07	Recycle-Oily Water	46,280	P	5,785.0
Select Environmental	45392	07/17/07	Oily water	48,372	P P	6,046.5
Ameriforge Corporation	45164	07/18/07	Recycle-Oily Water	49,080	, P	6,135.0
Atlantic Industrial Services (Shreveport)	45272	07/18/07	Recycle-Oily Water	51,708	P	6,463.5
Farouk Systems	45011	07/18/07	CESQ2192	41,700	P	5,212.5
Gulf Coast Oil Recovery	45439	07/18/07	Recycle-Oily Water	50,040	P	6,255.0
KMTEX	45235	07/18/07	Recycle-Oily Water	37,220	· P	4,652.5
Proler Southwest	45214	07/18/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	45213	07/18/07	Recycle-Oily Water	41,700	Р	5,212.5
Atlantic Industrial Services (Shreveport)	45271	07/19/07	Recycle-Oily Water	51,708	Р	6,463.5
Enviro Solutions - Baytown	45518	07/19/07		12,510	Р	1,563.8
GI Environmental Vacuum Service	45515	07/19/07		29,190	Р	3,648.8
Gulf Coast Oil Recovery	45524	07/19/07	Recycle-Oily Water	50,040	Р	6,255.0
Houston Grinding and Mfg.	45425	07/19/07	Recycle-Oily Water	9,174	Р	1,146.8
KMTEX	45375	07/19/07	Recycle-Oily Water	32,920	Р	4,115.0
Turneco Oil Services	45503	07/19/07	Used oil	18,406	P	2,300.8
Commercial Metals	45416	07/20/07	Recycle-Oily Water	50,040	P	6,255.0
Farouk Systems	45012	07/20/07	CESQ2192	41,700	Р	5,212.5
NOV Drilling Equipment (West Little York)	45418	07/20/07	Recycle-Oily Water	25,020	Р	3,127.5
Proler Southwest	45215	07/20/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	45216	07/20/07	Recycle-Oily Water	43,368	Р	5,421.0
T3 Energy Services - Cypress	45335	07/20/07	Recycle-Oily Water	25,020	Р	3,127.5
Gl Environmental Vacuum Service	45717	07/22/07	•	29,190	P	3,648.8
GI Environmental Vacuum Service	45714	07/22/07		33,360	р	4,170.0
GI Environmental Vacuum Service	45715	07/22/07		26,250	Р	3,281.3

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GI Environmental Vacuum Service	45718	07/22/07	Bee I of Marie	1,251	P	156.4
Ameriforge Corporation	45473	07/23/07	Recycle-Oily Water	41,700	P	5,212.5
Enviro Solutions - Baytown	45709	07/23/07		29,190	P	3,648.8
Farouk Systems	45478	07/23/07	CESQ2192	31,692	P	3,961.5
GI Environmental Vacuum Service	45716	07/23/07		21,870	P	2,733.8
GI Environmental Vacuum Service	45696	07/23/07		33,360	P	4,170.0
Golden Opportunity Recycling	45695	07/23/07		16,680	P	2,085.0
Hutchison Hayes International-Baytown	45544	07/23/07	Recycle-Oily Water	41,700	Р	5,212.5
Lubrizol-Deer Park	45405	07/23/07	Recycle	36,140	P	4,517.5
Lubrizol-Deer Park	45397	07/23/07	Recycle	36,700	P	4,587.5
Vetco Gray	45509	07/23/07	Recycle-Oily Water	41,700	Р	5,212.5
Golden Opportunity Recycling	45752	07/24/07		16,680	Р	2,085.0
Lubrizol-Deer Park	45407	07/24/07	Recycle	37,140	P	4,642.5
Farouk Systems	45479	07/25/07	CESQ2192	33,360	P	4,170.0
GI Environmental Vacuum Service	45867	07/25/07		26,688	Р	3,336.0
Greens Bayou Pipe Mill, LP	45685	07/25/07	Recycle-Oily Water	5,463	Ρ	682.9
Hutchison Hayes International-Baytown	45545	07/25/07	Recycle-Oily Water	50,040	P	6,255.0
Lubrizol-Deer Park	45406	07/25/07	Recycle	42,100	P	5,262.5
Proler Southwest	45533	07/25/07	Recycle-Oily Water	43,368	Р	5,421.0
Proler Southwest	45534	07/25/07	Recycle-Oily Water	41,700	Р	5,212.5
Atlantic Industrial Services (Shreveport)	45710	07/26/07	Recycle-Oily Water	39,448	Р	4,931.0
Enviro Solutions - Baytown	45955	07/26/07		20,850	P	2,606.3
GI Environmental Vacuum Service	45958	07/26/07		4,170	Р	521.3
GI Environmental Vacuum Service	45959	07/26/07		16.680	Р	2,085.0
GI Environmental Vacuum Service	45960	07/26/07		2,919	Р	364.9
Hutchison Hayes International-Baytown	45876	07/26/07	Recycle-Oily Water	37,530	Р	4,691.3
OEM	45746	07/26/07	Recycle- Oil	3,000	P	375.0
Proier Southwest	45771	07/26/07	Recycle-Oily Water	45,870	P	5,733.8
Profer Southwest	45770	07/26/07		45,870	P	5,733.8
			Recycle-Oily Water		P	
Atlantic Industrial Services (Shreveport)	45711	07/27/07	Recycle-Oily Water	51,708	P	6,463.5
Farouk Systems	45480	07/27/07	CESQ2192	41,700		5,212.5
Lubrizol-Deer Park	45807	07/27/07	Recycle	34,020	Р	4,252.5
Lubrizol-Deer Park	45806	07/27/07	Recycle	31,060	P	3,882.5
Select Environmental	46121	07/27/07	Oily water	45,870	P	5,733.8
Ameriforge Corporation	45751	07/28/07	Recycle-Oily Water	40,032	P	5,004.0
Goodman Manufacturing (Cooling Plant)	45291	07/28/07	00202051	41,700	Р	5,212.5
Goodman Manufacturing (Cooling Plant)	45995	07/28/07	00202051	41,700	Р	5,212.5
KMCO, Inc.	45942	07/28/07	Recycle-Oily Water	36,920	P	4,615.0
Lubrizol-Deer Park	45808	07/28/07	Recycle	45,680	Р	5,710.0
Lubrizol-Deer Park	45809	07/28/07	Recycle	36,800	P	4,600.0
BPX Films	45918	07/30/07	Recycle-Used Oil	4,587	P	573.4
BPX Films	45917	07/30/07	Recycle-Used Oil	8,340	Р	1,042.5
Enviro Solutions - Baytown	46110	07/30/07		21,684	P	2,710.5
Farouk Systems	45848	07/30/07	CESQ2192	29,190	Р	3,648.8
GI Environmental Vacuum Service	46104	07/30/07		29,190	Р	3,648.8
Lubrizol-Deer Park	45810	07/30/07	Recycle	36,080	Р	4,510.0
Phillips Waste Oil	46108	07/30/07		11,676	Р	1,459.5
Phillips Waste Oil	46106	07/30/07		16,680	Р	2,085.0
Phillips Waste Oil	46107	07/30/07		8,340	P	1,042.5
Proler Southwest	45902	07/30/07	Recycle-Oily Water	43,368	P	5,421.0
Proler Southwest	45903	07/30/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	45904	07/30/07	Recycle-Oily Water	41,700	P	5,212.5
Atlantic Industrial Services	46229	07/31/07	Recycle-Oily Water	1,000	Р	125.0
Enviro Solutions - Baytown	46193	07/31/07		23,352	Р	2,919.0
Turneco Oil Services	46170		Oily water	8,340	Р	1,042.5
						695,803.0
						•
Farouk Systems	45849	08/01/07	CESQ2192	43,368	Р	5,421.0
Holcomb Environmental	46462		Recyclable	16,680	P	2,085.0
			•	1,200	P	150.0
Hutchinson-Hayes International, Inc.(East I			CESQ1132			
Martin Transport	46192	08/01/07	Recycle-Oily Water	26,688	Р	3,336.0

Martin Transport	45472	00/04/07	Pro Legiture		_	
Martin Transport	46173	08/01/07	Recycle-Oily Water	26,688	P	3,336.0
T3 Energy Services - Cypress	46144	08/01/07	Recycle-Oily Water	25,020	P	3,127.5
Vetco Gray	46145	08/01/07	Recycle-Oily Water	5,200	Р	650.0
Atlantic Industrial Services (Shreveport)	46072	08/02/07	Recycle-Oily Water	51,708	P	6,463.5
Proler Southwest	46116	08/02/07	Recycle-Oily Water	45,870	Р	5,733.8
Proler Southwest	46115	08/02/07	Recycle-Oily Water	45,870	Р	5,733.8
Proler Southwest	46117	08/02/07	Recycle-Oily Water	45,870	Р	5,733.8
Select Environmental	46412	08/02/07	Oily water	48,372	Р	6,046.5
Atlantic Industrial Services (Shreveport)	46073	08/03/07	Recycle-Oily Water	51,708	P	6,463.5
Farouk Systems	45850	08/03/07	CESQ2192	43,368	Р	5,421.0
GI Environmental Vacuum Service	50066	08/04/07		25,020	Р	3,127.5
GI Environmental Vacuum Service	50067	08/05/07		8,340	P	1,042.5
Farouk Systems	46275	08/06/07	CESQ2192	25,020	Р	3,127.5
Gl Environmental Vacuum Service	50068	08/06/07		29,190	P	3,648.8
MIC	46271	08/06/07	Recycle-Oily Water	25,020	P	3,127.5
Phillips Waste Oil	46604	08/06/07		20,850	P	2,606.3
Dresser Flow	46503	08/07/07	Recycle-Coolant	41,700	P	5,212.5
Momentum Biofuels	46669	08/07/07	Recycle-Oily Water	54,210	G	6,776.3
Enviro Solutions - Baytown	46685	08/08/07		5,838	P	729.8
Enviro Solutions - Baytown	46686	08/08/07		5,000	P	625.0
Enviro Solutions - Baytown	46683	08/08/07		8,340	Р	1,042.5
Farouk Systems	46276	08/08/07	CESQ2192	25,020	Р	3,127.5
Martin Transport	46613	08/08/07	Recycle-Oily Water	8,340	P	1,042.5
Enviro Solutions - Baytown	46796	08/09/07		41,700	Р	5,212.5
Enviro Solutions - Baytown	46804	08/09/07		20,850	Р	2,606.3
KMTEX	46556	08/09/07	Recycle-Oily Water	45,220	Р	5,652.5
KMTEX	46555	08/09/07	Recycle-Oily Water	46,300	P	5,787.5
Ovalen Development LLC	46580	08/09/07	Recycle	41,700	Р	5,212.5
Ameriforge Corporation	46573	08/10/07	Recycle-Oily Water	41,700	P	5,212.5
Enviro Solutions - Baytown	46805	08/10/07	, ,	26,688	P	3,336.0
Enviro Solutions - Baytown	46898	08/10/07		21,718	P	2,714.8
Farouk Systems	46277	08/10/07	CESQ2192	41,700	P	5,212.5
Ovalen Development LLC	46581	08/10/07	Recycle	41,700	, P	5,212.5
Atlantic Industrial Services (Shreveport)	46810	08/13/07	Recycle-Oily Water	51,708	Р	6,463.5
Forged Vessel Connections, Inc.	46809	08/13/07	Recycle-Oily Water	3,000	r P	375.0
Enviro Solutions - Baytown	47006	08/14/07	,,	2,500	P	312.5
Holcomb Environmental	47007	08/14/07	Recyclable	16,680	r P	2,085.0
Holcomb Environmental	46605	08/14/07	Recyclable	16,680	P	2,085.0
Koch Heat Transfer Company, LP	46914	08/14/07	Recycle-Oily Water	11,676	P	1,459.5
Momentum Biofuels	47014	08/14/07	Recycle-Oily Water	54,210	r G	
Select Environmental	47005	08/14/07	Oily water	43,368	P	6,776.3 5,421.0
Enviro Solutions - Baytown	47186	08/15/07	Ony water	25,980	r P	3,247.5
Farouk Systems	46930	08/15/07	CESQ2192	45,870	P	
Ameriforge Corporation	47256	08/16/07	Recycle-Oily Water	20,850	P P	5,733.8
Enviro Solutions - Baytown	47351	08/16/07	necycle-ony water	15,760	P	2,606.3
Martin Transport	47114	08/16/07	Recycle-Oily Water	4,170	P	1,970.0
PGI International	47075	08/16/07	Recycle-Oily Water			521.3
Proler Southwest	47076	08/16/07	Recycle-Oily Water	25,020	P	3,127.5
Select Environmental	47348		•	41,700	P	5,212.5
		08/16/07	Oily water	50,040	P	6,255.0
Farouk Systems Holcomb Environmental	46931	08/17/07	CESQ2192	29,190	P	3,648.8
	47549	08/17/07	Recyclable	16,680	Р	2,085.0
Momentum Biofuels	47734	08/17/07	Recycle-Oily Water	54,210	G	6,776.3
OEM	47044	08/17/07	Recyclable	800	Р	100.0
T3 Energy Services - Cypress	47140	08/17/07	Recycle-Oily Water	25,020	P	3,127.5
KMCO, Inc.	47361	08/18/07	Recycle-Oily Water	41,580	Р	5,197.5
NOV (Magnolia)	46939	08/18/07	Oily Water	16,680	Р	2,085.0
Proler Southwest	47245	08/18/07	Recycle-Oily Water	50,040	Р	6,255.0
Proler Southwest	47246	08/18/07	Recycle-Oily Water	42,534	Р	5,316.8
Ameriforge Corporation	47352	08/20/07	Recycle-Oily Water	50,040	Р	6,255.0
Enviro Solutions - Baytown	47559	08/20/07		45,870	Р	5,733.8
Enviro Solutions - Baytown	47556	08/20/07		38,498	Р	4,812.3

Farouk Systems			CESQ2192	16,680	Р	2,085.0
NOV Drilling Equipment (Lockwood)	47321	08/20/07	Recycle	29,190	P	3,648.8
Select Environmental		08/20/07	Recycle	26,279	Р	3,284.9
Atlantic Industrial Services	47741	08/21/07	Recycle-Oily Water	400	Р	50.0
Ethyl Corporation	47744	08/21/07	recycle	50,340	Р	6,292.5
Holcomb Environmental	47749	08/21/07	Recyclable	16,680	Р	2,085.0
Holcomb Environmental	47747	08/21/07	Recyclable	16,680	Р	2,085.0
KMCO, Inc.	47407	08/21/07	Recycle-Oily Water	33,120	Р	4,140.0
KMTEX	47336	08/21/07	Recycle-Oily Water	39,120	P	4,890.0
Atlantic Industrial Services (Shreveport)	47470	08/22/07	Recycle-Oily Water	51,708	Р	6,463.5
Enviro Solutions - Baytown	47746	08/22/07		4,000	P	500.0
Farouk Systems	47128	08/22/07	CESQ2192	41,700	P	5,212.5
KMTEX	47338	08/22/07	Recycle-Oily Water	49,780	P	6,222.5
Koch Heat Transfer Company, LP	47406	08/22/07	Recycle-Oily Water	12,510	Р	1,563.8
NOV (Magnolia)	47185	08/22/07	Recycle	2,085	P	260.6
Proler Southwest	47506	08/22/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	47504	08/22/07	Recycle-Oily Water	41,700	Р	5,212.5
Proler Southwest	47505	08/22/07	Recycle-Oily Water	41,700	P	5,212.5
South Coast Terminals (East Ave S)	47579	08/22/07	Recycle	12,510	Р	1,563.8
Ameriforge Corporation	47445	08/23/07	Recycle-Oily Water	38,781	Р	4,847.6
KMTEX	47337	08/23/07	Recycle-Oily Water	47,480	P	5,935.0
KMTEX	47339	08/23/07	Recycle-Oily Water	40,700	P	5,087.5
Farouk Systems	47129	08/24/07	CESQ2192	29,190	P	3,648.8
GI Environmental Vacuum Service	47845	08/24/07		29,190	P	3,648.8
Golden Opportunity Recycling	48068	08/24/07		2,000	P	250.0
Golden Opportunity Recycling	47837	08/24/07		16,680	P	2,085.0
	47853		Paguala Oiku Matar		P	3,127.5
Martin Transport		08/24/07	Recycle-Oily Water	25,020	P P	•
Hutchinson-Hayes International, Inc.(East B		08/25/07	CESQ1132	12,510		1,563.8
Atlantic Industrial Services (Shreveport)	47826	08/27/07	Recycle-Oily Water	51,708	P	6,463.5
Enviro Solutions - Baytown	48455	08/27/07		7,060	P _	882.5
Farouk Systems	47706	08/27/07	CESQ2192	20,850	Р	2,606.3
GI Environmental Vacuum Service	47978	08/27/07		26,279	Р	3,284.9
Momentum Biofuels	47923	08/27/07	Recycle-Oily Water	54,210	G	6,776.3
Momentum Biofuels	48126	08/27/07	Recycle-Oily Water	54,210	G	6,776.3
OEM	47651	08/27/07	Recyclable	1,000	Р	125.0
Atlantic Industrial Services (Shreveport)	47823	08/28/07	Recycle-Oily Water	51,708	Р	6,463.5
Enviro Solutions - Baytown	48454	08/28/07		6,672	P	834.0
	49224	08/28/07		12 500	Р	1,562.5
GI Environmental Vacuum Service	48224			12,500	•	
GI Environmental Vacuum Service MIC	47748	08/28/07	Recycle-Oily Water	24,311	P	3,038.9
		08/28/07 08/28/07	Recycle-Oily Water Recycle-Oily Water			3,038.9 5,212.5
MIC	47748		, ,	24,311	P	·
MIC Proler Southwest	47748 47810	08/28/07	Recycle-Oily Water	24,311 41,700	P P	5,212.5
MIC Proler Southwest South Coast Terminals (East Ave S)	47748 47810 47865	08/28/07 08/28/07	Recycle-Oily Water	24,311 41,700 34,480	P P	5,212.5 4,310.0
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services	47748 47810 47865 48291	08/28/07 08/28/07 08/29/07	Recycle-Oily Water N/A Recycle-Oily Water	24,311 41,700 34,480 200	P P P	5,212.5 4,310.0 25.0
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services	47748 47810 47865 48291 48292	08/28/07 08/28/07 08/29/07 08/29/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water	24,311 41,700 34,480 200 380	P P P P	5,212.5 4,310.0 25.0 47.5
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport)	47748 47810 47865 48291 48292 47824	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708	P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems	47748 47810 47865 48291 48292 47824 47707	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESO2192	24,311 41,700 34,480 200 380 51,708 25,020	P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest	47748 47810 47865 48291 48292 47824 47707 47812	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESO2192	24,311 41,700 34,480 200 380 51,708 25,020 50,040	P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown	47748 47810 47865 48291 48292 47824 47707 47812 48674	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500	P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport)	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESO2192 Recycle-Oily Water N/A	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170	P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S)	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137	P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190	08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/30/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/30/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems Sunbelt Machine Works Corporation	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708 48088	08/28/07 08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/31/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700 12,510	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems Sunbelt Machine Works Corporation	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708 48088	08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/31/07 08/31/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192 Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700 12,510	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8 416,285.8
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems Sunbelt Machine Works Corporation GI Environmental Vacuum Service Proler Southwest	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708 48088	08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/31/07 08/31/07 09/01/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700 12,510 35,028 50,040	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8 416,285.8
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems Sunbelt Machine Works Corporation GI Environmental Vacuum Service Proler Southwest GI Environmental Vacuum Service	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708 48088	08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/31/07 08/31/07 09/01/07 09/01/07 09/02/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700 12,510 35,028 50,040 10,008	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8 416,285.8 4,378.5 6,255.0 1,251.0
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems Sunbelt Machine Works Corporation GI Environmental Vacuum Service Proler Southwest GI Environmental Vacuum Service Ameriforge Corporation	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708 48088	08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/31/07 08/31/07 09/01/07 09/01/07 09/02/07 09/04/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700 12,510 35,028 50,040 10,008 29,860	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8 416,285.8 4,378.5 6,255.0 1,251.0 3,732.5
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems Sunbelt Machine Works Corporation GI Environmental Vacuum Service Proler Southwest GI Environmental Vacuum Service Ameriforge Corporation Proler Southwest	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708 48088 48456 48169 48457 48372 48307	08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/31/07 08/31/07 09/01/07 09/01/07 09/02/07 09/04/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700 12,510 35,028 50,040 10,008 29,860 45,870	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8 416,285.8 4,378.5 6,255.0 1,251.0 3,732.5 5,733.8
MIC Proler Southwest South Coast Terminals (East Ave S) Atlantic Industrial Services Atlantic Industrial Services Atlantic Industrial Services (Shreveport) Farouk Systems Proler Southwest Enviro Solutions - Baytown Gulf Stream Marine (Greensport) South Coast Terminals (East Ave S) T3 Energy Services - Cypress Farouk Systems Sunbelt Machine Works Corporation GI Environmental Vacuum Service Proler Southwest GI Environmental Vacuum Service Ameriforge Corporation	47748 47810 47865 48291 48292 47824 47707 47812 48674 48014 48563 48190 47708 48088	08/28/07 08/29/07 08/29/07 08/29/07 08/29/07 08/29/07 08/30/07 08/30/07 08/30/07 08/31/07 08/31/07 09/01/07 09/01/07 09/02/07 09/04/07	Recycle-Oily Water N/A Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle-Oily Water N/A N/A Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water	24,311 41,700 34,480 200 380 51,708 25,020 50,040 7,500 4,170 5,137 6,672 41,700 12,510 35,028 50,040 10,008 29,860	P P P P P P P P P P P P P P P P P P P	5,212.5 4,310.0 25.0 47.5 6,463.5 3,127.5 6,255.0 937.5 521.3 642.2 834.0 5,212.5 1,563.8 416,285.8 4,378.5 6,255.0 1,251.0 3,732.5

Commercial Metals	48576	09/05/07	Recycle-Oily Water	25,020	Р	3,127.5
Commercial Metals	48577	09/05/07	Recycle-Oily Water	25,020	P.	3,127.5
Farouk Systems	48280	09/05/07	CESQ2192	41,700	Р	5,212.5
Greens Bayou Pipe Mill, LP	48394	09/05/07	Recycle-Oily Water	7,506	P	938.3
OEM	48403	09/05/07	Recyclable	4,128	Р	516.0
OEM	48403	09/05/07	Recycle Pure oil	2,063	P	257.9
OEM	48403	09/05/07	recycle pure oil	2,063	P	257.9
Select Environmental	48635	09/05/07	Recycle	12,510	Р	1,563.8
Select Environmental	48616	09/05/07	Recycle	25,020	P	3,127.5
Select Environmental	48615	09/05/07	Recycle	50,040	P	6,255.0
Ameriforge Corporation	48520	09/06/07	Recycle-Oily Water	50,440	P	6,305.0
Ameriforge Corporation	48519	09/06/07	Recycle-Oily Water	41,700	P	5,212.5
Atlantic Industrial Services (Shreveport)	48474	09/06/07	Recycle-Oily Water	51,708	P	6,463.5
Flex Oil Service	34947	09/06/07	Recycle	45,870	P.	5,733.8
GI Environmental Vacuum Service	48458	09/06/07	Nasyste	19,182	P	2,397.8
South Coast Terminals (East Ave S)	48648	09/06/07	N/A	38,320	P	4,790.0
Atlantic Industrial Services (Shreveport)	48475	09/07/07	Recycle-Oily Water	51,708	P	6,463.5
Golden Opportunity Recycling	48830	09/07/07	necycle ony traces	12,510	P	1,563.8
Proler Southwest	48585	09/07/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	48584	09/07/07	Recycle-Oily Water	41,700	Р	5,212.5
Select Environmental	49151	09/07/07	Recycle	45,036	P	5,629.5
Ovalen Development LLC	48913	09/08/07	Recycle	20,850	P	2,606.3
Farouk Systems	48686	09/10/07	CESQ2192	25,020	P	3,127.5
GI Environmental Vacuum Service	49156	09/10/07	CESCRETA	2,200	P	275.0
GI Environmental Vacuum Service	50069	09/10/07		13,840	P P	1,730.0
Select Environmental	49020	09/10/07	Recycle	46,704	P	5,838.0
South Coast Terminals (East Ave S)	48870	09/10/07	N/A	42,834	P	5,354.3
Ameriforge Corporation	48920	09/11/07	Recycle-Oily Water	49,560	, P	6,195.0
PGI International	48968	09/11/07	Recycle-Oily Water	20,016	P	2,502.0
Farouk Systems	48687	09/12/07	CESQ2192	41,700	P	5,212.5
Gulf Stream Marine (Greensport)	48908	09/12/07	N/A	4,170	P	521.3
Select Environmental	49244	09/12/07	Recycle	48,372	Р	6,046.5
Golden Opportunity Recycling	49240	09/13/07		16,680	P	2,085.0
High Island Petrochemicals	49410	09/13/07		50,040	Р	6,255.0
High Island Petrochemicals	49409	09/13/07		46,370	P.	5,796.3
Holcomb Environmental	49754	09/13/07	Recyclable	16,680	P	2,085.0
Canrig	49076	09/14/07	Recycle	41,700	P	5,212.5
Canrig	49077	09/14/07	Recycle	25,020	P	3,127.5
Farouk Systems	48688	09/14/07	CESQ2192	29,190	Р	3,648.8
Martin Transport	49165	09/14/07	Recycle-Oily Water	39,198	P	4,899.8
Proler Southwest	48963	09/14/07	Recycle-Oily Water	45,870	Р	5,733.8
Proler Southwest	48962	09/14/07	Recycle-Oily Water	41,700	Р	5,212.5
Canrig	49080	09/15/07	Recycle	459	P	57.4
T3 Energy Services - Cypress	49312	09/15/07	Recycle-Oily Water	20,850	Р	2,606.3
Farouk Systems	49267	09/17/07	CESQ2192	29,190	Р	3,648.8
KMTEX	49526	09/17/07	Recycle-Oily Water	37,520	Р	4,690.0
South Coast Terminals (East Ave S)	49437	09/17/07	Recycle	28,980	Р	3,622.5
Vetco Gray	49241	09/17/07	Recycle-Oily Water	41,700	Р	5,212.5
Ameriforge Corporation	49441	09/18/07	Recycle-Oily Water	34,900	P	4,362.5
ОЕМ	49372	09/18/07	Recyclable	2,500	Ρ	312.5
ОЕМ	49371	09/18/07	recycle pure oil	4,875	Р	609.4
ОЕМ	49371	09/18/07	Recycle Pure oil	375	Р	46.9
Ovalen Development LLC	49336	09/18/07	Recycle	45,870	Р	5,733.8
Select Environmental	49546	09/18/07	Recycle	48,372	P	6,046.5
Trinity Railcar Repair, Inc. (Plant #4117)	49363	09/18/07	Recycle	41,700	Р	5,212.5
Ameriforge Corporation	49541	09/19/07	Recycle-Oily Water	20,900	Р	2,612.5
Atlantic Industrial Services (Shreveport)	49411	09/19/07	Recycle-Oily Water	51,708	Р	6,463.5
Farouk Systems	49268		CESQ2192	29,190	P	3,648.8
KMCO, Inc.	49558		Recycle-Oily Water	49,998	Р	6,249.8
Schlumberger Technology - IPC North	49488		Recycle	7,923	P	990.4
Atlantic Industrial Services (Shreveport)	49412		Recycle-Oily Water	51,708	Р	6,463.5

Holcomb Environmental	49753	09/20/07	Recyclable	16,680	P	2,085.0
OEM	49576	09/20/07	recyclable	3,600	Р	450.0
OEM	49577	09/20/07	Recycle Pure oil	2,919	P	364.9
Select Environmental	49668	09/20/07	Recycle	48,372	Р	6,046.5
Dresser Flow	49628	09/21/07	Recycle-Coolant	33,360	Р	4,170.0
Ethyl Corporation	49916	09/21/07	recycle	52,120	P	6,515.0
Farouk Systems	49269	09/21/07	CESQ2192	29,190	Р	3,648.8
Forged Vessel Connections, Inc.	49632	09/21/07	Recycle-Oily Water	25,020	Ρ	3,127.5
Goodman Manufacturing (Cooling Plant)	49644	09/21/07	Recycle-Oily Water	45,870	P	5,733.8
Select Environmental	49846	09/21/07	Recycle	48,372	Р	6,046.5
Vetco Gray	49627	09/21/07	Recycle-Oily Water	33,360	Р	4,170.0
Hutchinson-Hayes International, Inc.(East	Be 49793	09/22/07	CESQ1132	20,850	Р	2,606.3
Hydril HHP	49697	09/22/07	Recycle-Oily Water	10,008	Р	1,251.0
Atlantic Industrial Services (Shreveport)	49629	09/24/07	Recycle-Oily Water	51,708	P	6,463.5
BPX Films	49773	09/24/07	Recycle-Used Oil	12,510	P	1,563.8
Farouk Systems	49616	09/24/07	CESQ2192	20,850	P	2,606.3
KMTEX	49835	09/25/07			P	
KMTEX			Recycle-Oily Water	40,260	P P	5,032.5
	49836	09/25/07	Recycle-Oily Water	43,260		5,407.5
Ameriforge Corporation	49889	09/26/07	Recycle-Oily Water	37,530	P	4,691.3
Farouk Systems	49617	09/26/07	CESQ2192	41,700	P	5,212.5
Goodman Manufacturing (Cooling Plant)	49743	09/26/07	Recycle-Oily Water	2,085	Р	260.6
Goodman Manufacturing (Cooling Plant)	49743	09/26/07	Recycle-Oily Water	2,752	Р	344.0
Holcomb Environmental	50255	09/26/07	Recyclable	16,680	P	2,085.0
OEM	49938	09/26/07	Recycle-Oily Water	15,012	Р	1,876.5
OEM	49938	09/26/07	Recycle-Oily Water	4,170	Р	521.3
OEM	49940	09/26/07	Recycle-Used Oil	16,500	Р	2,062.5
OEM	49940	09/26/07	Recycle-Used Oil	3,750	Р	468.8
Enviro Solutions - Baytown	50496	09/27/07		7,500	Р	937.5
OEM	49936	09/27/07	Recycle-Oily Water	8,340	Ρ	1,042.5
Ovalen Development LLC	49969	09/27/07	Recycle	47,538	Р	5,942.3
Select Environmental	50175	09/27/07	Recycle	48,372	Р	6,046.5
Atlantic Industrial Services (Shreveport)	50117	09/28/07	Recycle-Oily Water	50,040	Р	6,255.0
Houston Marine Services, Inc	50518	09/28/07	Recycle	34,194	Р	4,274.3
Proler Southwest	50056	09/28/07	Recycle-Oily Water	45,870	P	5,733.8
Select Environmental	50282	09/28/07	Recycle	48,372	Р	6,046.5
Houston Marine Services, Inc	50520	09/29/07	Recycle	37,530	Р	4,691.3
Houston Marine Services, Inc	50519	09/29/07	Recycle	37,563	P	4,695.4
KMCO, Inc.	50168	09/29/07	Recycle-Oily Water	23,160	Ρ	2,895.0
KMCO, Inc.	50262	09/30/07	Recycle-Oily Water	28,460	Р	3,557.5
						400,394.9
Atlantic Industrial Services (Shreveport)	50118	10/01/07	Recycle-Oily Water	50,040	Р	6,255.0
Farouk Systems	50035	10/01/07	CESQ2192	52,542	Р	6,567.8
Select Environmental	50340	10/01/07	Recycle	50,040	Р	6,255.0
Select Environmental	50341	10/01/07	Recycle	48,372	Ρ	6,046.5
Ameriforge Corporation	50281	10/02/07	Recycle-Oily Water	45,870	Р	5,733.8
Holcomb Environmental	50417	10/02/07	Recyclable	16,680	Р	2,085.0
Select Environmental	50414	10/02/07	Recycle	33,360	Р	4,170.0
Atlantic Industrial Services (Shreveport)	50119	10/03/07	Recycle-Oily Water	41,283	P	5,160.4
Farouk Systems	50036	10/03/07	CESQ2192	41,700	P	5,212.5
MIC	50317	10/03/07	Recycle-Oily Water	20,850	Р	2,606.3
	50311				Р	
NOV (Magnolia)		10/03/07	Oily Water	20,850	P	2,606.3
Ameriforge Corporation	50405	10/04/07	Recycle-Oily Water	45,870		5,733.8
Atlantic Industrial Services (Shreveport)	50120	10/04/07	Recycle-Oily Water	44,202	P	5,525.3
Gulf Stream Marine (Greensport)	50050	10/04/07	N/A	20,850	P	2,606.3
KMCO, Inc.	50429	10/04/07	Recycle-Oily Water	36,600	P	4,575.0
OEM	50432	10/04/07	Recycle- pure Oil	413	Р	51.6
OEM	50428	10/04/07	Recycle-Used Oil	459	Р	57.4
Atlantic Industrial Services (Shreveport)	50779	10/05/07	Recycle-Oily Water	44,035	Ρ	5,504.4
Farouk Systems	50037	10/05/07	CESQ2192	41,700	Р	5,212.5
Houston Marine Services, Inc	50828	10/05/07	Recycle	35,862	Р	4,482.8

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KMCO, Inc.	50767	10/05/07	Recycle-Oily Water	50,000	P	6,250.0
KMCO, Inc.	50765	10/05/07	Recycle-Oily Water	50,000	P	6,250.0
KMCO, Inc.	50766	10/05/07	Recycle-Oily Water	50,000	P	6,250.0
KMCO, Inc.	50634	10/05/07	Recycle-Oily Water	33,800	P	4,225.0
KMCO, Inc.	50681	10/05/07	Recycle-Oily Water	38,040	Р _	4,755.0
Holcomb Environmental	50697	10/06/07	Recyclable	50,040	P	6,255.0
Holcomb Environmental	50695	10/06/07	Recyclable	54,210	Ρ	6,776.3
Holcomb Environmental	50692	10/06/07	Recyclable	54,210	P	6,776.3
Atlantic Industrial Services (Shreveport)	50474	10/08/07	Recycle-Oily Water	51,708	P	6,463.5
Farouk Systems	50557	10/08/07	CESQ2192	45,870	Р	5,733.8
Holcomb Environmental	506 99	10/08/07	Recyclable	54,210	P	6,776.3
Holcomb Environmental	50698	10/08/07	Recyclable	41,700	Р	5,212.5
Holcomb Environmental	50700	10/08/07	Recyclable	55,878	₽	6,984.8
Ameriforge Corporation	50713	10/09/07	Recycle-Oily Water	41,700	Р	5,212.5
Atlantic Industrial Services (Shreveport)	50475	10/09/07	Recycle-Oily Water	51,708	P	6,463.5
Enviro Solutions - Baytown	50926	10/09/07		10,842	Р	1,355.3
Holcomb Environmental	50720	10/09/07	Recyclable	41,700	Р	5,212.5
Holcomb Environmental	50717	10/09/07	Recyclable	45,870	Р	5,733.8
Holcomb Environmental	50718	10/09/07	Recyclable	41,700	P	5,212.5
Holcomb Environmental	50715	10/09/07	Recyclable	45,870	P	5,733.8
Holcomb Environmental	50719	10/09/07	Recyclable	459	P	57.4
Holcomb Environmental	50716	10/09/07	Recyclable	45,870	P	5,733.8
KMCO, Inc.	50728	10/09/07	Recycle-Oily Water	44,202	Р	5,525.3
Ovalen Development LLC	50725	10/09/07	Recycle	46,704	P	5,838.0
Ovalen Development LLC	50726	10/09/07	Recycle	45,870	Р	5,733.8
Select Environmental	50927	10/09/07	Recycle	41,700	Р	5,212.5
Select Environmental	50928	10/09/07	Recycle	45,870	Р	5,733.8
Canrig	50819	10/10/07	Recycle	41,700	P	5,212.5
Farouk Systems	50558	10/10/07	CESQ2192	41,700	Р	5,212.5
Holcomb Environmental	50782	10/10/07	Recyclable	41,700	P	5,212.5
Holcomb Environmental	50784	10/10/07	Recyclable	50,040	Р	6,255.0
Holcomb Environmental	50787	10/10/07	Recyclable	50,874	Р	6,359.3
Holcomb Environmental	50783	10/10/07	Recyclable	54,210	P	6,776.3
Holcomb Environmental	50786	10/10/07	Recyclable	50,040	P	6,255.0
Holcomb Environmental	50785	10/10/07	Recyclable	50,040	Р	6,255.0
Houston Marine Services, Inc	51484	10/10/07	Recycle	41,700	P	5,212.5
Houston Marine Services, Inc	51485	10/10/07	Recycle	41,700	Р	5,212.5
Lubrizol-Deer Park	50756	10/10/07	Recycle	29,880	P	3,735.0
	50795	10/10/07		12,510	P	1,563.8
NOV Drilling Equipment (Lockwood)	50734		Recycle	41,700	P	5,212.5
Proler Southwest		10/10/07	Recycle-Oily Water	•		
Proler Southwest	50732	10/10/07	Recycle-Oily Water	41,700	P	5,212.5
Ameriforge Corporation	50957	10/11/07	Recycle-Oily Water	17,560	P	2,195.0
T3 Energy Services - Cypress	50861	10/11/07	Recycle-Oily Water	25,020	P	3,127.5
Enviro Solutions - Baytown	51184	10/12/07	CFC02102	20,850	P	2,606.3
Farouk Systems	50559	10/12/07	CESQ2192	41,700	P	5,212.5
Houston Marine Services, Inc	51186	10/12/07	Recycle	35,862	P	4,482.8
Houston Marine Services, Inc	51185	10/12/07	Recycle	35,862	P	4,482.8
KMTEX	50917	10/12/07	Recycle-Oily Water	44,960	P	5,620.0
Select Environmental	51183	10/12/07	Recycle	45,036	Р	5,629.5
Goodman Manufacturing (Cooling Plant)	50529	10/13/07	00202051	37,530	Р	4,691.3
Goodman Manufacturing (Cooling Plant)	50530	10/13/07	00202051	37,530	Р	4,691.3
Ameriforge Corporation	50958	10/15/07	Recycle-Oily Water	39,120	P	4,890.0
Atlantic Industrial Services (Shreveport)	51112	10/15/07	Recycle-Oily Water	44,035	P	5,504.4
Enviro Solutions - Baytown	51274	10/15/07		15,012	Р	1,876.5
Enviro Solutions - Baytown	51264	10/15/07		49,840	P	6,230.0
Farouk Systems	50973	10/15/07	CESQ2192	37,530	Р	4,691.3
KMTEX	51117	10/15/07	Recycle-Oily Water	42,700	P	5,337.5
кмтех	51128	10/15/07	Recycle-Oily Water	47,460	Р	5,932.5
Ovalen Development LLC	51085	10/15/07	Recycle	41,700	Р	5,212.5
Ovalen Development LLC	51086	10/15/07	Recycle	41,700	Р	5,212.5
Ameriforge Corporation	51162	10/16/07	Recycle-Oily Water	74,940	Р	9,367.5

KNACO Inc	51100	10/10/07	Para I o'llawa		_	
KMCO, Inc. Farouk Systems	51189 50974	10/16/07 10/17/07	Recycle-Oily Water	29,960	P	3,745.0
Momentum Biofuels	51476		CESQ2192	10,025	P	1,253.1
		10/17/07	Recycle-Oily Water	54,210	P _	6,776.3
Select Environmental Ameriforge Corporation	51478	10/17/07	Recycle	33,360	P	4,170.0
- ,	51275	10/18/07	Recycle-Oily Water	37,360	P _	4,670.0
Goodman Manufacturing (Cooling Plant)	51308	10/18/07	Recycle-Oily Water	16,680	P	2,085.0
KMTEX	51321	10/18/07	Recycle-Oily Water	38,220	Р	4,777.5
Proler Southwest	51293	10/18/07	Recycle-Oily Water	45,870	Р	5,733.8
Proler Southwest	51291	10/18/07	Recycle-Oily Water	45,870	Р	5,733.8
Atlantic Industrial Services (Shreveport)	51400	10/19/07	Recycle-Oily Water	48,372	Р	6,046.5
Ethyl Corporation	51619	10/19/07	Recycle-Oily Water	46,220	Р	5,777.5
Farouk Systems	50975	10/19/07	CESQ2192	25,020	P	3,127.5
Holcomb Environmental	51695	10/19/07	Recyclable	15,012	P	1,876.5
Houston Marine Services, Inc	51377	10/19/07	Recycle	40,457	P	5,057.1
Houston Marine Services, Inc	51374	10/19/07	Recycle	47,538	P	5,942.3
Houston Marine Services, Inc	51378	10/19/07	Recycle	40,941	Р	5,117.6
KMCO, Inc.	51588	10/21/07	Recycle-Oily Water	40,760	P	5,095.0
KMCO, Inc.	51590	10/21/07	Recycle-Oily Water	22,540	Р	2,817.5
Atlantic Industrial Services (Shreveport)	51556	10/22/07	Recycle-Oily Water	50,040	P	6,255.0
Farouk Systems	51347	10/22/07	CESQ2192	25,020	P	3,127.5
Gulf Stream Marine (Greensport)	51336	10/22/07	N/A	8,340	Р	1,042.5
KMTEX	51579	10/22/07	Recycle-Oily Water	33,760	P	4,220.0
Trinity Railcar Repair, Inc. (Plant #4117)	51543	10/22/07	Recycle	41,700	P	5,212.5
Select Environmental	51764	10/23/07	Recycle	41,700	P	5,212.5
Trinity Railcar Repair, Inc. (Plant #4117)	51614	10/23/07	Recycle	41,700	P	5,212.5
Farouk Systems	51348	10/24/07	CESQ2192	41,700	Р	5,212.5
Proler Southwest	51621	10/24/07	Recycle-Oily Water	41,700	P	5,212.5
T3 Energy Services - Cypress	51724	10/24/07	Recycle-Oily Water	16,680	P	2,085.0
T3 Energy Services - Cypress	51632	10/24/07	Recycle-Oily Water	25,020	Р	3,127.5
High Island Petrochemicals	51922	10/25/07		45,870	P	5,733.8
Select Environmental	51915	10/25/07	Recycle	44,452	P	5,556.5
Dresser Flow	51898	10/26/07	Recycle-Coolant	37,530	Р	4,691.3
Ethyl Corporation	52013	10/26/07	Recycle-Oily Water	50,780	P	6,347.5
Farouk Systems	51349	10/26/07	CESQ2192	41,700	Р	5,212.5
High Island Petrochemicals	52008	10/26/07		45,870	Р	5,733.8
High Island Petrochemicals	52012	10/26/07		45,870	P	5,733.8
High Island Petrochemicals	52010	10/26/07		45,870	P	5,733.8
High Island Petrochemicals	52001	10/26/07		45,870	P	5,733.8
High Island Petrochemicals	52011	10/26/07		45,870	Р	5,733.8
Houston Marine Services, Inc	51991	10/26/07	Recycle	35,862	P	4,482.8
Lubrizol-Deer Park	51891	10/26/07	Recycle	33,840	Р	4,230.0
Lubrizol-Deer Park	51886	10/26/07	Recycle	34,940	Р	4,367.5
Houston Marine Services, Inc	51893	10/27/07	Recycle	39,623	Р	4,952.9
Houston Marine Services, Inc	51892	10/27/07	Recycle	36,871	Р	4,608.9
Lubrizol-Deer Park	51888	10/27/07	Recycle	35,720	Р	4,465.0
Lubrizol-Deer Park	51890	10/27/07	Recycle	36,480	P	4,560.0
Ameriforge Corporation	51722	10/29/07	Recycle-Oily Water	34,194	P	4,274.3
Atlantic Industrial Services (Shreveport)	51932	10/29/07	Recycle-Oily Water	43,368	P	5,421.0
Farouk Systems	51826	10/29/07	CESQ2192	41,700	Р	5,212.5
Forged Vessel Connections, Inc.	51924	10/29/07	Recycle-Oily Water	15,012	Р	1,876.5
High Island Petrochemicals	52121	10/29/07		45,870	Ρ	5,733.8
High Island Petrochemicals	52118	10/29/07		45,870	Р	5,733.8
High Island Petrochemicals	52122	10/29/07		49,206	P	6,150.8
High Island Petrochemicals	52116	10/29/07		50,040	Р	6,255.0
High Island Petrochemicals	52115	10/29/07		50,040	r P	6,255.0
High Island Petrochemicals	52123	10/29/07		50,274	P	6,284.3
High Island Petrochemicals	52120	10/29/07		45,870	P P	5,733.8
Houston Marine Services, Inc	52114	10/29/07	Recycle	32,200	P P	
Houston Marine Services, Inc	52114	10/29/07	Recycle		P	4,025.0
PGI International	51914	10/29/07	•	33,824		4,228.0
Proler Southwest			Recycle-Oily Water	20,850	P	2,606.3
Froier Journwest	51912	10/29/07	Recycle-Oily Water	45,870	₽	5,733.8

Enviro Solutions - Baytown	52213	10/30/07		12,510	P	1,563.8
High Island Petrochemicals	52201	10/30/07		45,870	P	5,733.8
High Island Petrochemicals	52200	10/30/07		50,040	P	6,255.0
High Island Petrochemicals	52203	10/30/07		45,870	P	5,733.8
High Island Petrochemicals	52204	10/30/07		17,514	P	2,189.3
High Island Petrochemicals	52202	10/30/07		51,708	P	6,463.5
Koch Heat Transfer Company, LP	52049	10/30/07	Recycle-Oily Water	12,510	P	1,563.8
Select Environmental	52207	10/30/07	Recycle	41,700	Р	5,212.5
Sunbelt Machine Works Corporation	51884	10/30/07	Recycle-Oily Water	13,761	Р	1,720.1
Atlantic Industrial Services (Shreveport)	52173	10/31/07	Recycle-Oily Water	50,040	Р	6,255.0
Farouk Systems	51827	10/31/07	CESQ2192	41,700	Р	5,212.5
					7	41,619.3
						12,02010
High Island Petrochemicals	52413	11/01/07		51,708	Р	6,463.5
-			Paguala Off Spac Oil		P	31.3
Martin Transport	52101	11/01/07	Recycle-Off Spec Oil	250	P	
Martin Transport	52102	11/01/07	Recycle-Off Spec Oil	2,400		300.0
Farouk Systems	51828	11/02/07	CESQ2192	33,360		4,170.0
OEM	52308	11/02/07	recyclable	917	P	114.6
OEM	52308	11/02/07	recyclable	200	Р	25.0
OEM	52305	11/02/07	recyclable	1,500	Р	187.5
Hutchinson-Hayes International, Inc.(East Be	52300	11/03/07	CESQ1132	50,040	P	6,255.0
Hutchinson-Hayes International, Inc.(East Be	52299	11/03/07	CESQ1132	8,340	Р	1,042.5
Ethyl Corporation	52287	11/05/07	Recycle	3,670	Р	458.8
Farouk Systems	52317	11/05/07	CESQ2192	16,680	Р	2,085.0
Gulf Stream Marine (Greensport)	52349	11/05/07	N/A	3,336	Р	417.0
MIC	52286	11/05/07	Recycle-Oily Water	24,770	Р	3,096.3
Century Asphalt (Rosenberg)	52494	11/06/07	Recycle	41,700	P	5,212.5
Hutchison Hayes International-Baytown	52628	11/06/07	Recycle-Oily Water	50,040	P	6,255.0
T3 Energy Services - Cypress	52485	11/06/07	Recycle-Oily Water	26,688	P	3,336.0
BPX Films	52464	11/07/07	Recycle-Used Oil	10,875	P	1,359.4
Farouk Systems	52318	11/07/07	CESQ2192	29,190	Р	3,648.8
KMCO, Inc.	52545	11/07/07	Recycle-Oily Water	40,560	P	5,070.0
Lubrizol-Deer Park	52542	11/07/07	Recycle	35,180	P	4,397.5
Lubrizol-Deer Park	52541	11/07/07	Recycle	37,820	P	4,727.5
NOV Drilling Equipment (West Little York)	52607	11/07/07	Recycle-Oily Water	8,340	Р	1,042.5
KMCO, Inc.	52546	11/08/07	Recycle-Oily Water	46,120	P	5,765.0
Lubrizol-Deer Park	52543	11/08/07	Recycle	42,740	P	5,342.5
Lubrizol-Deer Park	52544	11/08/07	Recycle	34,540	Р	4,317.5
Select Environmental	52800	11/08/07	Recycle	41,700	Р	5,212.5
Select Environmental	52795	11/08/07	Recycle	41,700	Р	5,212.5
Farouk Systems	52319	11/09/07	CESQ2192	29,190	Р	3,648.8
High Island Petrochemicals	52894	11/09/07		45,870	Р	5,733.8
KMCO, Inc.	52523	11/09/07	Recycle-Oily Water	39,900	Р	4,987.5
Lubrizol-Deer Park	52645	11/09/07	Recycle	34,040	Р	4,255.0
Lubrizol-Deer Park	52644	11/09/07	Recycle	36,040	P	4,505.0
Ameriforge Corporation	52861	11/10/07	Recycle-Oily Water	16,680	Р	2,085.0
Atlantic Industrial Services (Shreveport)	52615	11/12/07	Recycle-Oily Water	50,040	P	6,255.0
Farouk Systems	52671	11/12/07	CESQ2192	25,020	P	3,127.5
Lubrizol-Deer Park	52646	11/12/07	Recycle	30,920	P	3,865.0
		11/12/07	Recycle	36,000	P	4,500.0
Lubrizol-Deer Park	52647				r P	
Select Environmental	52799	11/12/07	Recycle	43,368		5,421.0
BPX Films	52870	11/13/07	Recycle-Used Oil	12,750	P	1,593.8
Enviro Solutions - Baytown	53142	11/14/07	07000400	20,850	P	2,606.3
Farouk Systems	52672	11/14/07	CESQ2192	45,870	P	5,733.8
High Island Petrochemicals	53136	11/14/07		45,870	P	5,733.8
High Island Petrochemicals	53137	11/14/07		45,870	Р	5,733.8
High Island Petrochemicals	53138	11/14/07		45,870	Р	5,733.8
Atlantic Industrial Services (Shreveport)	52946	11/15/07	Recycle-Oily Water	50,724	Р	6,340.5
Select Environmental	53190	11/15/07	Recycle	41,700	Р	5,212.5
Select Environmental	531 89	11/15/07	Recycle	41,700	Р	5,212.5
T3 Energy Services - Cypress	53024	11/15/07	Recycle-Oily Water	26,688	Р	3,336.0

Carrie	33126	11/16/07	Recycle	4,000	Р	500.0
Canrig	53125	11/16/07	Recycle	1,600	P	200.0
Canrig	53144	11/16/07	Recycle	1,800	Р	225.0
Enviro Solutions - Baytown	53273	11/16/07		24,186	P	3,023.3
Farouk Systems	52673	11/16/07	CESQ2192	45,870	ρ	5,733.8
High Island Petrochemicals	53272	11/16/07		54,210	Р	6,776.3
Lubrizol-Deer Park	53158	11/16/07	Recycle	34,940	Р	4,367.5
Atlantic Industrial Services (Shreveport)	53151	11/19/07	Recycle-Oily Water	45,870	P	5,733.8
Farouk Systems	53093	11/19/07	CESQ2192	45,870	Р	5,733.8
Gulf Stream Marine (Greensport)	53107	11/19/07	N/A	12,500	P	1,562.5
High Island Petrochemicals	53350	11/19/07		54,210	P	6,776.3
Vetco Gray	53205	11/19/07	Recycle-Oily Water	41,700	Ρ	5,212.5
Ameriforge Corporation	53247	11/20/07	Recycle-Oily Water	45,870	P	5,733.8
Atlantic Industrial Services (Shreveport)	53200	11/20/07	Recycle-Oily Water	45,870	Ρ	5,733.8
High Island Petrochemicals	53475	11/20/07		45,870	P	5,733.8
Select Environmental	53473	11/20/07	Recycle	48,372	P	6,046.5
Ameriforge Corporation	53353	11/21/07	Recycle-Oily Water	41,700	Ρ	5,212.5
Enviro Solutions - Baytown	53514	11/21/07		24,186	Р	3,023.3
Ethyl Corporation	53624	11/21/07	Recycle-Oily Water	49,280	P	6,160.0
Farouk Systems	53094	11/21/07	CESQ2192	45,870	Р	5,733.8
NOV Drilling Equipment (West Little York)	53186	11/21/07	Recycle-Oily Water	26,688	P	3,336.0
Ovalen Development LLC	53327	11/21/07	Recycle	50,040	Р	6,255.0
Select Environmental	53515	11/21/07	Recycle	48,372	P	6,046.5
Proler Southwest	53483	11/23/07	Recycle-Oily Water	43,368	P	5,421.0
Proler Southwest	53467	11/23/07	Recycle-Oily Water	41,700	P	5,212.5
Proler Southwest	53520	11/23/07	Recycle-Oily Water	45,036	Р	5,629.5
Proler Southwest	53468	11/23/07	Recycle-Oily Water	43,368	P	5,421.0
Atlantic Industrial Services (Shreveport)	53470	11/26/07	Recycle-Oily Water	45,870	Р	5,733.8
Ovalen Development LLC	53325	11/26/07	Recycle	31,692	P	3,961.5
Proler Southwest	53658	11/27/07	Recycle-Oily Water	45,870	Р	5,733.8
Enviro Solutions - Baytown	53917	11/28/07		25,020	P	3,127.5
Ethyl Corporation	53790	11/28/07	Recycle-Oily Water	16,020	P	2,002.5
Farouk Systems	53403	11/28/07	CESQ2192	45,870	P	5,733.8
T3 Energy Services - Cypress	53634	11/28/07	Recycle-Oily Water	25,020	Р	3,127.5
Enviro Solutions - Baytown	54077	11/29/07		2,335,200	Р	291,900.0
Lubrizol-Deer Park	53777	11/29/07	Recycle	46,000	P	5,750.0
Proler Southwest	53659	11/29/07	Recycle-Oily Water	50,040	P	6,255.0
Sunbelt Machine Works Corporation	53690	11/29/07	Recycle-Oily Water	6,255	Р	781.9
Dresser Flow	53808	11/30/07	Recycle-Coolant	35,862	Р	4,482.8
Farouk Systems	53404	11/30/07	CESQ2192	41,700	P	5,212.5
High Island Petrochemicals	54122	11/30/07		45,870	Р	5,733.8
Proler Southwest	53661	11/30/07	Recycle-Oily Water	45,870	Р	5,733.8
Proler Southwest	53660	11/30/07	Recycle-Oily Water	45,870	P	5,733.8
Select Environmental	54119	11/30/07	Recycle	41,700	Р	5,212.5
						673,924.9
Atlantic Industrial Consists (Checumonat)	52057	12/02/07	Daniela Officialia	50.074		
Atlantic Industrial Services (Shreveport)	53957	12/03/07	Recycle-Oily Water	50,874	Р	6,359.3
Farouk Systems	53825	12/03/07	CESQ2192	25,020	Р	3,127.5
Farouk Systems Gulf Stream Marine (Greensport)	53825 53913	12/03/07 12/03/07	CESQ2192 N/A	25,020 4,170	P P	3,127.5 521.3
Farouk Systems Gulf Stream Marine (Greensport) PGI International	53825 53913 54087	12/03/07 12/03/07 12/03/07	CESQ2192 N/A Recycle-Oily Water	25,020 4,170 25,020	P P P	3,127.5 521.3 3,127.5
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental	53825 53913 54087 54250	12/03/07 12/03/07 12/03/07 12/03/07	CESQ2192 N/A Recycle-Oily Water Recycle	25,020 4,170 25,020 45,870	P P P	3,127.5 521.3 3,127.5 5,733.8
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental	53825 53913 54087 54250 54249	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07	CESQ2192 N/A Recycle-Oily Water Recycle Recycle	25,020 4,170 25,020 45,870 45,870	P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services	53825 53913 54087 54250 54249 54515	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/04/07	CESQ2192 N/A Recycle-Oily Water Recycle Recycle Recycle-Oily Water	25,020 4,170 25,020 45,870 45,870	P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation	53825 53913 54087 54250 54249 54515 54199	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/04/07 12/05/07	CESQ2192 N/A Recycle-Oily Water Recycle Recycle	25,020 4,170 25,020 45,870 45,870 450 29,840	P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation Enviro Solutions - Baytown	53825 53913 54087 54250 54249 54515 54199 54435	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/04/07 12/05/07	N/A Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water	25,020 4,170 25,020 45,870 45,870 450 29,840 45,870	P P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0 5,733.8
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation Enviro Solutions - Baytown Farouk Systems	53825 53913 54087 54250 54249 54515 54199 54435 53826	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/04/07 12/05/07 12/05/07	N/A Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water	25,020 4,170 25,020 45,870 45,870 450 29,840 45,870 29,190	P P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0 5,733.8 3,648.8
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park	53825 53913 54087 54250 54249 54515 54199 54435 53826 54130	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/05/07 12/05/07 12/05/07 12/05/07	N/A Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle	25,020 4,170 25,020 45,870 45,870 450 29,840 45,870 29,190 30,960	P P P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0 5,733.8 3,648.8 3,870.0
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park	53825 53913 54087 54250 54249 54515 54199 54435 53826 54130	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07	CESQ2192 N/A Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle	25,020 4,170 25,020 45,870 45,870 450 29,840 45,870 29,190 30,960 33,080	P P P P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0 5,733.8 3,648.8 3,870.0 4,135.0
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Select Environmental	53825 53913 54087 54250 54249 54515 54199 54435 53826 54130 54131	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07	CESQ2192 N/A Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle	25,020 4,170 25,020 45,870 45,870 450 29,840 45,870 29,190 30,960 33,080 37,530	P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0 5,733.8 3,648.8 3,870.0 4,135.0 4,691.3
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Select Environmental South Coast Terminals (East Ave S)	53825 53913 54087 54250 54249 54515 54199 54435 53826 54130 54131 54319 54257	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07	CESQ2192 N/A Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle N/A	25,020 4,170 25,020 45,870 45,870 450 29,840 45,870 29,190 30,960 33,080 37,530 11,700	P P P P P P P P P P P P P P P P P P P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0 5,733.8 3,648.8 3,870.0 4,135.0 4,691.3 1,462.5
Farouk Systems Gulf Stream Marine (Greensport) PGI International Select Environmental Select Environmental Atlantic Industrial Services Ameriforge Corporation Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Select Environmental	53825 53913 54087 54250 54249 54515 54199 54435 53826 54130 54131	12/03/07 12/03/07 12/03/07 12/03/07 12/03/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07 12/05/07	CESQ2192 N/A Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle	25,020 4,170 25,020 45,870 45,870 450 29,840 45,870 29,190 30,960 33,080 37,530	P	3,127.5 521.3 3,127.5 5,733.8 5,733.8 56.3 3,730.0 5,733.8 3,648.8 3,870.0 4,135.0 4,691.3

53126 11/16/07 Recycle

4,000 P

500.0

Canrig

Facility Calletters - Back						
Enviro Solutions - Baytown	54652	12/07/07		53,376	Р	6,672.0
Enviro Solutions - Baytown	54654	12/07/07		53,376	P	6,672.0
Enviro Solutions - Baytown	54507	12/07/07		25,020	Р	3,127.5
Enviro Solutions - Baytown	54506	12/07/07		26,688	Р	3,336.0
Ethyl Corporation	54651	12/07/07	Recycle-Oily Water	47,320	P	5,915.0
Farouk Systems	53827	12/07/07	CESQ2192	41,700	Р	5,212.5
Proler Southwest	54478	12/07/07	Recycle-Oily Water	41,700	Р	5,212.5
Lubrizol-Deer Park	54604	12/08/07	Recycle	47,720	Р	5,965.0
Proler Southwest	54479	12/08/07	Recycle-Oily Water	41,700	Р	5,212.5
Proier Southwest	54480	12/08/07	Recycle-Oily Water	41,700	Р	5,212.5
Farouk Systems	54380	12/10/07	CESQ2192	33,360	Р	4,170.0
Forged Products	54599	12/10/07	Recycle-Oily Water	28,356	P	3,544.5
KMTEX	54555	12/10/07	Recycle-Oily Water	42,720	P	5,340.0
OEM	54588	12/10/07	recyclable	520	Р	65.0
OEM	54590	12/10/07	Recycle-Used Oil	16,680	P	2,085.0
Select Environmental	54748	12/10/07	Recycle	41,700	Р	5,212.5
Atlantic Industrial Services (Shreveport)	54668	12/11/07	Recycle-Oily Water	45,870	P	5,733.8
Enviro Solutions - Baytown	54831	12/11/07		14,178	P	1,772.3
High Island Petrochemicals	54829	12/11/07		50,040	Р	6,255.0
High Island Petrochemicals	54816	12/11/07		59,214	Р	7,401.8
High Island Petrochemicals	54817	12/11/07		19,182	P	2,397.8
High Island Petrochemicals	54818	12/11/07		50,040	P	6,255.0
KMCO, Inc.	54657	12/11/07	Recycle-Oily Water	37,580	P	4,697.5
KMCO, Inc.	54658	12/11/07	Recycle-Oily Water	30,120	P	3,765.0
KMTEX	54556	12/11/07	Recycle-Oily Water	41,200	Р	5,150.0
KMTEX	54557	12/11/07	Recycle-Oily Water	36,000	Р	4,500.0
South Coast Terminals (East Ave S)	54830	12/11/07	N/A	10,450	Р	1,306.3
Atlantic Industrial Services (Shreveport)	54669	12/12/07	Recycle-Oily Water	50,040	Р	6,255.0
Enviro Solutions - Baytown	54984	12/12/07	, , ,	23,352	P	2,919.0
Farouk Systems	54382	12/12/07	CESQ2192	29,190	P	3,648.8
KMCO, Inc.	54660	12/12/07	Recycle-Oily Water	43,100	P	5,387.5
KMCO, Inc.	54659	12/12/07	Recycle-Oily Water	35,200	, P	4,400.0
Select Environmental	54978	12/12/07	Recycle	41,700	Р	5,212.5
Lubrizol-Deer Park	54795	12/13/07	Recycle	35,060	P	4,382.5
Lubrizol-Deer Park	54796	12/13/07	Recycle	24,300	P	3,037.5
Momentum Biofuels	54792	12/13/07	Recycle-Oily Water	50,040	P	6,255.0
Momentum Biofuels	54791	12/13/07	Recycle-Oily Water	50,040	P	6,255.0
NOV Drilling Equipment (West Little York)	54799	12/13/07	Recycle-Oily Water	25,020	, P	3,127.5
Projer Southwest	54678	12/13/07	Recycle-Oily Water	50,040	P	
Proler Southwest	54679	12/13/07			P	6,255.0 6,255.0
Enviro Solutions - Baytown	55252	12/14/07	Recycle-Oily Water	50,040	P	
Farouk Systems	54383	12/14/07	CESQ2192	24,186 29,190	P	3,023.3
Lubrizol-Deer Park	54798	12/14/07	Recycle	32,720	P	3,648.8
Lubrizol-Deer Park	54797	12/14/07	Recycle			4,090.0
Lubrizol-Deer Park	55077	12/14/07	Recycle	36,440	P	4,555.0
T3 Energy Services - Cypress	54736	12/15/07	Recycle-Oily Water	43,960	P	5,495.0
Atlantic Industrial Services (Shreveport)	55010	12/13/07		13,344	P	1,668.0
Farouk Systems	54896		Recycle-Oily Water	43,368	P	5,421.0
Forged Vessel Connections, Inc.	55032	12/17/07 12/17/07	CESQ2192	41,700	P	5,212.5
			Recycle-Oily Water	25,020	P	3,127.5
KMTEX	55055	12/17/07	Recycle-Oily Water	390,479	P	48,809.9
KMTEX	55054	12/17/07	Recycle-Oily Water	48,800	P	6,100.0
Lubrizol-Deer Park	54800	12/17/07	Recycle	35,660	P	4,457.5
Lubrizol-Deer Park	55087	12/17/07	Recycle	35,320	Р	4,415.0
Momentum Biofuels	55069	12/17/07	Recycle-Oily Water	50,040	Р	6,255.0
Select Environmental	55249	12/17/07	Recycle	37,530	Р	4,691.3
Select Environmental	55248	12/17/07	Recycle	45,870	Ρ	5,733.8
Atlantic Industrial Services (Shreveport)	55011	12/18/07	Recycle-Oily Water	44,035	Ρ	5,504.4
Greens Bayou Pipe Mill, LP	55133	12/18/07	Recycle-Oily Water	5,470	P	683.8
Gulf Stream Marine (Greensport)	54902	12/18/07	N/A	8,340	P	1,042.5
Lubrizol-Deer Park	55085	12/18/07	Recycle	35,520	P	4,440.0
Lubrizol-Deer Park	54803	12/18/07	Recycle	28,360	Р	3,545.0

Momentum Biofuels	54793	12/18/07	Recycle-Oily Water	50,040	P	6,255.0
Ameriforge Corporation	55131	12/19/07	Recycle-Oily Water	47,960	Р	5,995.0
BPX Films	55114	12/19/07	Recycle-Used Oil	4,000	Р	500.0
Enviro Solutions - Baytown	55391	12/19/07		17,514	Р	2,189.3
Farouk Systems	54897	12/19/07	CESQ2192	45,870	P	5,733.8
Lubrizol-Deer Park	54802	12/19/07	Recycle	35,680	P	4,460.0
Lubrizol-Deer Park	54805	12/19/07	Recycle	35,680	Р	4,460.0
Lubrizol-Deer Park	54804	12/19/07	Recycle	34,380	P	4,297.5
Momentum Biofuels	55418	12/19/07	Recycle-Oily Water	50,040	P	6,255.0
Proler Southwest	55163	12/19/07	Recycle-Oily Water	45,870	P	5,733.8
Select Environmental	55411	12/19/07	Recycle	50,040	P	6,255.0
KMTEX	55056	12/20/07	Recycle-Oily Water	43,740	P	5,467.5
Martin Transport	55183	12/20/07	Recycle-Oily Water	29,190	P	3,648.8
Atlantic Industrial Services (Shreveport)	55330	12/21/07	Recycle-Oily Water	49,081	P	6,135.1
Farouk Systems	54898	12/21/07	CESQ2192	43,368	P	5,421.0
OEM	55349	12/21/07	Recycle-Used Oil	1,835	P	229.4
OEM	55349	12/21/07	Recycle-Used Oil	2,085	Р	260.6
Proler Southwest	55272	12/22/07	Recycle-Oily Water	45,870	P	5,733.8
Atlantic Industrial Services (Shreveport)	55470	12/27/07	Recycle-Oily Water	50,040	P	6,255.0
Dresser Flow	55542	12/27/07	Recycle-Coolant	35,028	Р	4,378.5
Lubrizol-Deer Park	55512	12/27/07	Recycle	35,840	P	4,480.0
Lubrizol-Deer Park	55510	12/27/07	Recycle	33,900	P	4,237.5
Farouk Systems	55223	12/28/07	CESQ2192	41,700	Р	5,212.5
KMCO, Inc.	55745	12/28/07	Recycle-Oily Water	41,740	P	5,217.5
Gulf Stream Marine (Greensport)	55737	12/31/07	N/A	3,330	Р	416.3
KMTEX	55598	12/31/07	Recycle-Oily Water	41,640	Р	5,205.0
KMTEX	55597	12/31/07	Recycle-Oily Water	47,740	P	5,967.5

495,562.4

6,736,865.4 53,894,923 P 6,736,865.4

CES EN	UVIRONI	JENTA I	SERVICES

January	Base Oil Water	99,570
February	Base Oil Water	62,997
March	Base Oil Water	59,908
April	Base Oil Water	52,019
May	Base Oil Water	47,849
June	Base Oil Water	69,155
ylut	Base Oil Water	104,580
August	Base Oil Water	117,969
September	Base Oil Water	143,442
October	Base Oil Water	92,330
November	Base Oil Water	56,359
December	Base Oil Water	70,649
2007 year total	Base Oil Water	976,827 G

Generator	Description	Qty	Р	Qty	gal
Shell Global	A Tank/Inside Pit	29,540	Р	3,692.5	
Shell Global	Rail Pit	32,920	P	4,115.0	
Shell Global	Rail Pit	39,920	P	4,990.0	
Shell Global	Rail Pit	38,180	P	4,772.5	
Sheli Global	Rail Pit	41,540	P	5,192.5	
Shell Global	Railpit	28,820	P P	3,602.5	
Shell Global	A Tank/Inside Pit	36,160		4,520.0	
Shell Global	Rail Pit Rail Pit	43,320	P	5,415.0	
Shell Global		41,360	P	5,170.0	
Shell Global Shell Global	A Tank/Inside Pit Rail Pit	38,920	P	4,865.0	
Shell Global	A Tank/Inside Pit	39,140	P	4,892.5 3,647.5	
Shell Global	Rail Pit	29,180 50,040	P	6,255.0	
Shell Global	Rail Pit		P	•	
Shell Global	Rail Pit	41,700 39,080	P	5,212.5 4,885.0	
Shell Global	Rail Pit	39,900	P	4,883.0	
Shell Global	Rail Pit	45,800	P	5,725.0	
Shell Global	Rail Pit	40,600	P	5,075.0	
Shell Global	Rail Pit	44,140		5,517.5	
Shell Global	Rail Pit	30,240	P	3,780.0	
Shell Global	A Tank/Inside Pit	26,060	P	3,257.5	
				99,570.0	_
				,	
Shell Global	A Tank/Inside Pit	32,780	Р	4,097.5	
Shell Global	Rail Pit	43,880	Ρ	5,485.0	
Shell Global	A Tank/Inside Pit	25,020	Ρ	3,127.5	
Shell Global	A Tank/Inside Pit	31,400	Р	3,925.0	
Shell Global	Rail Pit	38,380	Р	4,797.5	
Shell Global	A Tank/Inside Pit	25,740	P	3,217.5	
Shell Global	Rail Pit	35,080	P	4,385.0	
Shell Global	A Tank/Inside Pit	27,580	Р	3,447.5	
Shell Global	Rail Pit	38,280	P	4,785.0	
Shell Global	A Tank/Inside Pit	42,160	Р	5,270.0	
Sheli Global	Rail Pit	34,995	P	4,374.4	
Sheli Global	Rail Pit	44,860	Ρ	5,607.5	
Shell Global	Rail Pit	36,420	P	4,552.5	
Shell Global	A Tank/Inside Pit	22,100	P	2,762.5	
Shell Global	Rail Pit	25,300	Ρ	3,162.5	_
				62,996.9	
Shell Global	A Tank/Inside Pit	36,600	Р	4,575.0	
Shell Global	Rail Pit	41,600	Р	5,200.0	
Shell Global	A Tank/Inside Pit	29,040	Р	3,630.0	
Shell Global	Rail Pit	29,300	Ρ	3,662.5	

Shell Global	A Tank/Inside Pit	25,500	Р	3,187.5
Shelf Global	Rail Pit	28,180	Р	3,522.5
Shell Global	A Tank/Inside Pit	29,340	Р	3,667.5
Shell Global	Recycle-Rail Pit	45,120	P	5,640.0
Shell Global	A Tank/Inside Pit	34,880	₽	4,360.0
Shell Global	Recycle-Rail Pit	41,700	Р	5,212.5
Shell Global	A Tank/Inside Pit	35,000	Р	4,375.0
Shell Global	Recycle-Rail Pit	22,340	P	2,792.5
Shell Global	A Tank/Inside Pit	37,760	Р	4,720.0
Shell Global	Recycle-Rail Pit	42,900	Р	5,362.5
				59,907.5
				33,307.3
Shell Global	A Tank/Inside Pit	18,900	Р	2,362.5
Shell Global	Recycle-Rail Pit	35,860	P	4,482.5
Shell Global	A Tank/Inside Pit	35,380	P	4,422.5
Sheli Global	Recycle-Rail Pit	38,840	P	
Shell Global	A Tank/Inside Pit			4,855.0
		7,900	P	987.5
Shell Global	A Tank/Inside Pit	3,974	G	496.8
Shell Global	Recycle-Rail Pit	38,060	Р	4,757.5
Shell Global	A Tank/Inside Pit	12,740	P	1,592.5
Shell Global	A Tank/Inside Pit	50,040	Р	6,255.0
Shell Global	Recycle-Rail Pit	5,000	Р	625.0
Shell Global	A Tank/Inside Pit	38,960	P	4,870.0
Shell Global	Recycle-Rail Pit	41,340	Р	5,167.5
Shell Global	A Tank/Inside Pit	42,260	Р	5,282.5
Shell Global	Recycle-Rail Pit	46,900	Р	5,862.5
				52,019.3
Shell Global	A Tank/Inside Pit	4,100	P	512.5
Shell Global	A Tank/Inside Pit	41,700	P	5,212.5
Shell Global	Recycle-Rail Pit	41,700	₽	5,212.5
Shell Global	A Tank/Inside Pit	50,374	Р	6,296.8
Shell Global	A Tank/Inside Pit	34,920	Р	4,365.0
Sheli Global	Recycle-Rail Pit	39,980	P	4,997.5
Shell Global	A Tank/Inside Pit	12,560	Р	1,570.0
Shell Global	Recycle-Rail Pit	39,820	Ρ	4,977.5
Sheli Global	Recycle-Rail Pit	41,700	P	5,212.5
Shell Global	Recycle-Rail Pit	41,700	Ρ	5,212.5
Sheil Global	A Tank/Inside Pit	34,240	Ρ	4,280.0
				47,849.3
Shell Global	A Tank/Inside Pit	39,400	P	4,925.0
Shell Global	Recycle-Rail Pit	48,860	P	6,107.5
Shell Global	A Tank/Inside Pit	52,420	P	6,552.5
Shell Global	A Tank/Inside Pit	57,546	P	7,193.3
Shell Global	A Tank/inside Pit	23,520	P	2,940.0
Shell Global	A Tank/Inside Pit	7,420	P	927.5
Shell Global	A Tank/Inside Pit	40,060	Ρ	5,007.5
Shell Global	A Tank/Inside Pit	5,640	P	705.0
Sheli Global	recycle-base oil	44,600	P	5,575.0
Shell Global	recycle-base oil	43,780	P	5,472.5
Shell Global	recycle-base oil	44,753	P	5,594.1
Shell Global	recycle-base oil	44,860	P	5,607.5
Shell Global	recycle-base oil	36,488	Р	4,561.0
Shell Global	recycle-base oil	23,994	Р	2,999.3
Sheli Globai	Recycle-Rail Pit	8,540	Р	1,067.5
Shell Global	A Tank/Inside Pit	6,380	Р	797.5
Shell Global	Recycle-Rail Pit	20,850	Р	2,606.3
Shell Global	recycle-slop oil and water	4,128	P	516.0
				69,154.9
				•

Shell Global	A Tank/Inside Pit	29,520	Р	3,690.0
Shell Global	A Tank/Inside Pit	35,280	Р	4,410.0
Shell Global	A Tank/Inside Pit	4,920	Р	615.0
Shell Global	A Tank/Inside Pit	28,980	P	3,622.5
Shell Global	A Tank/Inside Pit	42,440	P	5,305.0
Shell Global	A Tank/Inside Pit	8,100	P	1,012.5
Shell Global	N/A	36,120	· P	4,515.0
Shell Global	N/A	39,100	P	
Shell Global	N/A	39,520		4,887.5
Shell Global	N/A		P	4,940.0
Shell Global		35,180	P	4,397.5
Shell Global	N/A	30,820	P	3,852.5
	N/A	37,060	Ρ	4,632.5
Shell Global Shell Global	N/A	36,241	Р	4,530.1
	recycle-base oil	27,960	Р	3,495.0
Shell Global	recycle-base oil	34,680	Р	4,335.0
Shell Global	A Tank/Inside Pit	33,160	Р	4,145.0
Shell Global	recycle-base oil	34,360	Р	4,295.0
Shell Global	recycle-base oil	24,260	Ρ	3,032.5
Shell Global	N/A	24,280	Ρ	3,035.0
Shell Global	N/A	16,040	P	2,005.0
Shell Global	N/A	28,300	Р	3,537.5
Shell Global	N/A	41,700	P	5,212.5
Shell Global	N/A	39,780	P	4,972.5
Shell Global	N/A	39,680	P	4,960.0
Shell Global	N/A	47,620	Р	5,952.5
Shell Global	N/A	36,680	P	4,585.0
Shell Global	A Tank/Inside Pit	4,860	P	607.5
				104,580.1
Shell Global	N/A	65,840		
Sileti Giobai	,,,,	03,040	P	8,230.0
Shell Global	recycle-base oil	79,580	P	9,947.5
Shell Global	recycle-base oil	79,580	Р	9,947.5
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit	79,580 6,720	Р Р	9,947.5 840.0
Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A	79,580 6,720 19,780	Р Р	9,947.5 840.0 2,472.5
Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil	79,580 6,720 19,780 44,040	P P P	9,947.5 840.0 2,472.5 5,505.0
Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil	79,580 6,720 19,780 44,040 35,260	P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5
Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A	79,580 6,720 19,780 44,040 35,260 26,860	P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A	79,580 6,720 19,780 44,040 35,260 26,860 13,380	P P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A recycle-base oil	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123	P P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A recycle-base oil A Tank/Inside Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540	P P P P P P P P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A recycle-base oil A Tank/Inside Pit A Tank/Inside Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760	P P P P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A recycle-base oil A Tank/Inside Pit A Tank/Inside Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180	P P P P P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240	P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020	P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560	P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle-base oil	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900	P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle-base oil recycle-base oil	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720	P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle recycle-base oil Recycle-base oil Recycle	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440	P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0
Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle recycle-base oil Recycle-Base oil Recycle-Base oil Recycle Recycle-Base oil Recycle Recycle-Rail Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700	P P P P P P P P P P P P P P P P P P P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle recycle-base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700	P	9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle recycle-base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 4,732.5
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle-base oil Recycle-base oil Recycle-Bail Pit Recycle-Bail Pit Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit A Tank/Inside Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 37,860 41,700		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle recycle-base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit Recycle-Rail Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 37,860 41,700 41,700 41,700 41,700		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A recycle-base oil A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle-base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit A Tank/Inside Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 41,700 41,700 41,700 35,660		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5 4,457.5
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A recycle-base oil A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle recycle-base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit A Tank/Inside Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 41,700 41,700 35,660 33,720		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 4,457.5 4,457.5 4,215.0
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle base oil Recycle Pit Recycle-Base oil Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit A Tank/Inside Pit A Tank/Inside Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit Recycle Pit A Tank/Inside Pit A Tank/Inside Pit	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 41,700 35,660 33,720 1,650		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 4,457.5 4,215.0 206.3
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle-base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit recycle-base oil	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 41,700 41,700 37,860 41,700 41,700 35,660 33,720 1,650 20,320		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 4,457.5 4,215.0 206.3 2,540.0
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle-base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit Recycle-Base oil recycle-Base oil recycle-Base oil	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 41,700 41,700 37,860 41,700 41,700 35,660 33,720 1,650 20,320 38,160		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 4,457.5 4,215.0 206.3 2,540.0 4,770.0
Shell Global Shell Global	recycle-base oil A Tank/Inside Pit N/A recycle-base oil recycle-base oil N/A N/A N/A A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit Recycle-Rail Pit recycle recycle-base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Base oil Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit Recycle-Rail Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit A Tank/Inside Pit recycle-base oil	79,580 6,720 19,780 44,040 35,260 26,860 13,380 39,123 6,540 5,760 7,180 32,240 39,020 24,560 37,900 1,720 27,440 41,700 41,700 41,700 41,700 41,700 37,860 41,700 41,700 35,660 33,720 1,650 20,320		9,947.5 840.0 2,472.5 5,505.0 4,407.5 3,357.5 1,672.5 4,890.4 817.5 720.0 897.5 4,030.0 4,877.5 3,070.0 4,737.5 215.0 3,430.0 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 5,212.5 4,457.5 4,215.0 206.3 2,540.0

Shell Global	A Tank/Inside Pit	31,882	P	3,985.3
Shell Global	A Tank/Inside Pit	22,140	P	2,767.5
				117,969.0
Shell Global	Recycle-Rail Pit	26,940	Р	3,367.5
Shell Global	A Tank/Inside Pit	9,080	Р	1,135.0
Shell Global	Recycle-Rail Pit	41,700	P	5,212.5
Shell Global	A Tank/Inside Pit	20,740	Р	2,592.5
Shell Global	Recycle-Rail Pit	43,980	P	5,497.5
Shell Global	Recycle-Rail Pit	40,540	P	5,067.5
Shell Global	Recycle-Rail Pit	43,620	Р	5.452.5
Shell Global	Recycle-Rail Pit	41,700	P	
Shell Global	recycle	5,838	P	5,212.5
Shell Global		•		729.8
Shell Giobal	Recycle-Rail Pit	45,870	Р _	5,733.8
	Recycle-Rail Pit	36,260	P _	4,532.5
Shell Global	Recycle-Rail Pit	41,700	Р	5,212.5
Shell Global	Recycle-Rail Pit	45,870	Р	5,733.8
Shell Global	Recycle-Rail Pit	24,160	Р	3,020.0
Shell Global	Recycle-Rail Pit	45,870	Р	5,733.8
Shell Global	Recycle-Rail Pit	41,700	Р	5,212.5
Shell Global	A Tank/Inside Pit	41,060	P	5,132.5
Shell Global	Recycle-Rail Pit	26,240	Р	3,280.0
Shell Global	Recycle-Rail Pit	17,820	Р	2,227.5
Shell Global	Recycle-Rail Pit	37,420	P	4,677.5
Shell Global	Recycle-Rail Pit	30,740	Р	3,842.5
Shell Global	Recycle-Rail Pit	30,920	Р	3,865.0
Shell Global	Recycle-Rail Pit	44,800	Р	5,600.0
Shell Global	Recycle-Rail Pit	37,401	Р	4,675.1
Shell Global	Recycle A Tank/Inside Pit	15,680	Р	1,960.0
Shell Global	Recycle-Rail Pit	28,680	Р	3,585.0
Shell Global	Recycle-Rail Pit	19,155	Р	2,394.4
Shell Global	Recycle-Rail Pit	10,600	Р	1,325.0
Shell Global	Recycle-white tank	22,518	P	2,814.8
Shell Global	Recycle-white tank	19,060	P	2,382.5
Shell Global	Recycle-white tank	15,680	P	1,960.0
Shell Global	Recycle-white tank	19,240	P	2,405.0
Shell Global	Recycle-white tank	18,757	Р	2,344.6
Shell Global	Recycle-Rail Pit	19,700	P	2,462.5
Shell Global	Recycle-Rail Pit			•
Shell Global	Recycle	10,220	P	1,277.5
Shell Global	·	19,860	Р	2,482.5
	Recycle	33,420	P	4,177.5
Shell Global	Recycle-Rail Pit	12,176	P	1,522.0
Shell Global Shell Global	Recycle	26,860	P	3,357.5
	Recycle-Rail Pit	31,680	P	3,960.0
Shell Global	Recycle	2,280	G	285.0
				143,441.9
Shell Global	Recycle	43,160	Р	5,395.0
Shell Global	Recycle	45,800	Р	5,725.0
Shell Global	Recycle-Rail Pit	24,520	Р	3,065.0
Shell Global	Recycle	17,780	Р	2,222.5
Shell Global	recycle	2,752	Р	344.0
Shell Global	recycl e	2,294	Р	286.8
Shell Global	recycle	9,633	Р	1,204.1
Sheli Global	Recycle	32,980	Р	4,122.5
Shell Global	Recycle	45,600	Р	5,700.0
Shell Global	Recycle	7,740	Р	967.5
Shell Global	Recycle-white tank	19,340	ρ	2,417.5
Shell Global	Recycle-white tank	20,300	Р	2,537.5
Shell Global	Recycle-white tank	21,300	P	2,662.5
	**	-		

Shell Global	Recycle-white tank	26,840	Р	3,355.0
Shell Global	Recycle	37,720	P	4,715.0
Shell Global	recycle-base oil	25,600	Ρ	3,200.0
Shell Global	Recycle	55,878	Р	6,984.8
Shell Global	Recycle	24,260	Ρ	3,032.5
Shell Global	Recycle-Rail Pit	187,984	Ρ	23,498.0
Shell Global	recycle-base oil	14,740	Ρ	1,842.5
Shell Global	recycle-base oil	38,360	Р	4,795.0
Shell Global	Recycle	34,060	₽	4,257.5
				92,330.1
Shell Global	Recycle	21,640	P	2,705.0
Shell Global	Recycle	35,880	Ρ	4,485.0
Shell Global	Recycle	37,180	P	4,647.5
Shell Global	Recycle-Rail Pit	7,720	Ρ	965.0
Shell Global	Recycle-Rail Pit	3,620	Ρ	452.5
Shell Global	Recycle	44,935	P	5,616.9
Shell Global	Recycle	30,280	Ρ	3,785.0
Sheli Global	Recycle	35,220	P	4,402.5
Shell Global	Recycle	34,220	Ρ	4,277.5
Shell Global	Recycle	33,320	Р	4,165.0
Shell Global	recycle-base oil	21,980	P	2,747.5
Shell Global	Recycle	3,820	Ρ	477.5
Shell Global	Recycle	23,500	Р	2,937.5
Shell Global	N/A	25,020	Р	3,127.5
Shell Global	Recycle	19,840	Ρ	2,480.0
Shell Global	Recycle	36,420	P	4,552.5
Shell Global	Recycle-Rail Pit	21,660	Р	2,707.5
Shell Global	Recycle	14,620	Р	1,827.5
				56,359.4
Shell Global Shell Global	Recycle-Rail Pit	400	P	50.0
Shell Global	Recycle	34,340	P	4,292.5
Shell Global	Recycle	41,550	P	5,193.8
Shell Global	Recycle	34,760	P	4,345.0
	Recycle	31,140	Р	3,892.5
Shell Global Shell Global	Recycle	40,240	P	5,030.0
Shell Global	Recycle	67,400	P	8,425.0
Shell Global	Recycle	42,520	Р	5,315.0
	Recycle	30,800	Р	3,850.0
Shell Global Shell Global	Recycle	19,760	P	2,470.0
Shell Global	recycle-base oil	36,650	P	4,581.3
Shell Global	Recycle-base oil recycle-base oil	40,920 38,540	P	5,115.0 4,817.5
Shell Global	recycle-base oil		P	
Shell Global	Recycle-base oil	39,460	P	4,932.5
Shell Global	·	38,660	P	4,832.5
Stren Global	Recycl e	28,049	۲	3,506.1

70,648.6

November Recycle-Oily Water December Recycle-Oily Water	673,925 495,562
October Recycle-Oily Water	741,619
September Recycle-Oily Water	400,395
August Recycle-Oily Water	416,286
July Recycle-Oily Water	695,803
June Recycle-Oily Water	548,762
May Recycle-Oily Water	581,429
April Recycle-Oily Water	588,794
March Recycle-Oily Water	549,953
February Recycle-Oily Water	443,393
January Recycle-Oily Water	600,945
	Gallons

		Gallons
January	Base Oil Water	99,570
February	Base Oil Water	62,997
March	Base Oil Water	59,908
April	Base Oil Water	52,019
May	Base Oil Water	47,849
June	Base Oil Water	69,155
July	Base Oil Water	104,580
August	Base Oil Water	117,969
September	Base Oil Water	143,442
October	Base Oil Water	92,330
November	Base Oil Water	56,359
December	Base Oil Water	70,649
2007 year total	Base Oil Water	976,827

Emission Summary

2007 Emissions Estimates

		Piping Co	mponents										
Evaluation:		(Fugi	itive)	Distil	lation	Cente	erfuge	Sto	age	Loa	ding	To	tal
		Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions
Component	CAS	(lb/hr)	(TPY)	(lb/hr) 1	(TPY)								
Xylene	106-42-3	0.0000	0.0000	-	-	-	-	0.3087	0.0565	0.0052	0.0000	0.3139	0.0565
Naphtha			-		-			0.0425	0.0078	-	-	0.0425	0.0078
Oil		0.1460	0.6396	0.0714	0.3128	0.0259	0.0332	0.6899	0.1814	0.0712	0.0785	1.0044	1.2455
Sulfuric Acid	7664-93-9			-		-	-	3.75E-04	2.02E-06		-	0.0004	0.0000
Total VOC	NA "	0.16	0.71	0.07	0,31	0.03	0.03	2.34	0.48	0.09	0.08	2.69	1.61

Project Total Emissions:	VOC
TPY	1.61

CES Environmental Services Houston, TX Estimated Tank Emissions

B. T. S. T. W.															
DATA ENTRY Tank Identification		OT-1	OT-2	OT-3	OT-4	07-5	OT-6	07-7	OT-8	OT-9	OT-10	FO-1	Sulfuric Acid Tank	Emulsion Breaker Tank	O-strik
EPN		OT-1	OT-2	OT-3	0T-4	OT-5	OT-6	OT-7	01-8 0T-8	OT-9	OT-10	FO-1	ST-1	ET-1	Centrifuge SV-1
Material Stored		Base Oil/Water	Base Oil/Water	Base Oil/Water	Base Oil/Water	Oil/Water	Base Oil/Water	Oil/Water	Oil/Water	CES Fuel/Water	Base Oil/Water	Oil/Water	Sulfuric Acid	Emulsion Breaker	Oil/Water
Tank Capacity	Vol., gallons	16,800	16.800	16,800	16,800	16,800	16.800	16,800	16.800	16,800	16.800	7,518	4,000	270	16,800
Throughput	gallons	325,609	325,609	976,827	488,413	6,736,865	325,609	3,368,433	3,368,433	0	976,827	6,736,865	20.000	250	6,736,865
Tank Controlled	Yes/No	No No	No	No.	0,730,003 No	No	No.	0,750,665 No							
Control Efficiency	e, %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shell Height	Hs, ft	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Shell Length	Ls, ft	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	7.0	8.0	12.0	12.0	12.0
Orientation	Vertical=1/Horizontal=2	1	1	1	1	1	1	1	1	1	2	1	1	1	1
Fill Rate	gallons/hr	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	4,000	250	3,000
Molecular Weight, lb/lb-mole		150.000	150.000	150.000	150.000	150.000	150.000	150.000	150.000	85.985	150.000	150.000	98.073	95.086	150.000
Vapor Pressure @ Tln, psia	526.90 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.9521	0.0100	0.0100	3.82E-06	0.0808	0.0100
Vapor Pressure @ Tla, psia	537.23 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	1.2287	0.0100	0.0100	7.17E-06	0.1122	0.0100
Vapor Pressure @ Tlx, psia	547.57 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	1.5720	0.0100	0.0100	1.31E-05	0.1534	0.0100
Max. Vapor Pressure @ Tix, psia	567.80 R	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	2.4866	0.0100	0.0100	4.02E-05	0.2729	0.0100
ESTIMATED EMISSIONS															
Maximum Hourly Losses	Lm, lb/hr	0.107	0.107	0.073	0.107	0.026	0.107	0.034	0.034	1.498	0.073	0.021	0.000	0.154	0.026
Standing Losses	Ls, ib/yr	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	546.78	10.32	3.68	0.00	56.72	8.32
Working Losses	Lw, lb/yr	11.63	11.63	23.81	17.44	58.10	11.63	38.05	38.05	0.00	23.81	48.16	0.00	0.06	58.10
Uncontrolled Total Losses	Lt, lb/yr	19.95	19.95	32.13	25.76	66.42	19.95	46.37	46.37	546.78	34.13	51.84	0.00	56.79	66.42
	Lt, ton/yr	0.0100	0.0100	0.0161	0.0129	0.0332	0.0100	0.0232	0.0232	0.2734	0.0171	0.0259	0.0000	0.0284	0.0332
Controlled Total Losses	Lmc, lb/hr	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A							
	Ltc, ton/yr	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A							
PHYSICAL PARAMETER CALCULA															
· ·	iameter, De	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	13.4	8.0	12.0	12.0	12.0
Avg. Liquid Height	HI, ft	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Max. Liquid Height	Hix, ft	19.9	19.9	19.9	19.9	19.9	19.9	19.9 0.125	19.9 0.125	19.9	16.0	20.0	4.7	0.3	19.9
Cone Roof Outage	Hro, ft	0.125 10.125	0.125 10.125	0.125 10.125	0.125 10.125	0.125 10.125	0.125 10.125	10.125	10.125	0.125 10.125	0.139 10.139	0.083 10.083	0.125 10.125	0.125 10.125	0.125 10.125
Vapor Space Outage	Hvo, ft Vv. ft^3	1144.53	1144,53	1144.53	1144.53	1144.53	1144.53	1144.53	1144.53	1144.53	1419.48	506.59	1144.53	1144.53	1144.53
Vapor space volume Breather vent pressure setting	Pbp, psiq	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.03	0.00
Breather vent vacuum setting	Pbv, psig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.00	0.00	-0.03	-0.03	0.00
Sreaties vent vacuum setting	1 b1, p3ig	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	•	0.00	0.00	0.00
Gas Constant	R, psia-ft^3/lb mole-R	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732	10.732
Vapor Density	Wv, lb/ft^3	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0183	0.0003	0.0003	0.0000	0.0018	0.0003
Daily vapor pressure range	^Pv, psia	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6199	0.0000	0.0000	0.0000	0.0726	0.0000
Vapor space expansion factor	Ke	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.119	0.077	0.077	0.073	0.078	0.077
Vented vapor saturation factor	Ks	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.603	0.995	0.995	1.000	0.943	0.995
Working Loss Product Factor	Кр	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Net Annual Throughput	Q, bbl/yr	7,752.6	7,752.6	23,257.8	11,628.9	160,401.6	7,752.6 19.4	80,200.8	80,200.8	0.0	23,257.8	160,401.6	476.2	6.0	160,401.6
Turnovers	N V-	19.4	19.4	58.1	29.1	401.0	19.4	200.5 0.32	200.5	0.0 1.00	58.1 0.68	896.1	5.0	0.9	401.0
Turnover factor	Kn	1.00	1.00	0.68	1.00	0.24	1.00	U.32	0.32	1.00	0.68	0.20	1.00	1.00	0.24

MAX. HRLY LOSSES:

Lm = (Lwmax x FR) / (N x Vol)

STANDING LOSSES:

Ls = 365 x Vv x Wv x Ke x Ks

WORKING LOSSES:

 $Lw = 0.0010 \times Mv \times Pva \times Q \times Kn. \times Kp$ $Lwmax = 0.0010 \times Mv \times Pvx \times Q \times Kn. \times Kp$

UNCONTROLLED
TOTAL HOURLY LOSSES:

Lt. = (Ls + Lw)

Lt. = (Ls + Lw) / 2000 lb/ton TOTAL ANNUAL LOSSES:

CONTROLLED

TOTAL HOURLY LOSSES:

Lt. = (Ls + Lw) x (1-e/100) Lt. = (Ls + Lw) / 2000 lb/ton x (1-e/100)

TOTAL ANNUAL LOSSES:

METEROLOGICAL CALCULATIONS:

Data Location	Houston, TX	ANNUAL		MAX HRLY
Daily avg. liquid surface temp, R	Tla		537.23	554.97
Daily avg. ambient temp, R	Taa		528.25	543.05
Liquid bulk temp, R	Τb		531.33	546.13
Daily solar insulation factor, Btu/ft^2 day	1		1351	1898
Atmospheric pressure, psia	Pa		14.7	14.7
Daily max. ambient temp, R	Tax		539.1	553.6
Daily min. ambient temp, R	Tan		517.4	532.5
Daily vapor temp. range, R	^Tv		41.35	51.33
Daily max. liquid surface temp., R	Tix		547.57	567.80
Daily min. liquid surface temp., R	Tin		526.90	542.14
Solor absorbance factor	a		0.68	0.68

OT-9 loading is vapor balanced, so there are no working losses for that tank.

Loading Emissions

TRANSPORT VESSEL LOADING

From AP-42 Chapter 5
LL = 12.46 SPM/T lb/1000 gal

 S = Saturation Factor =
 0.6

 P = Vapor Pressure =
 0.01 psia

 M = Molecular Weight =
 150 lb/lbmole

 T = Temperature =
 660 R

LL = 0.0170 lb/1000 gal

Maximum Load Rate 3000.0000 gal/hr Annual Throughput 7,713,692.27 gal/yr

Oil Loading Emissions = 0.0510 lb/hr 0.0655 tpy

Loading and unloading of light ends is vapor balanced and therefore does not generate emissions.

Before being disconnected the loading hose is blown into the truck/railcar with nitrogen, leaving only residual liquid clingage on the walls of the hose. It is conservatively assumed that all of the residual material in the line evaporates.

TRANSFER LINE DISCONNECTING - VOC

EPN - OL-	1
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	Clingage			Clingage	Vapor			voc		voc
	Factor	Product	Density	Mass in	Pressure	MW	Vapor Mass	Emissions		Emissions
Product	(bbl/1000 ft2)	Volume (gal)	(ib/gai)	Line (lb)	(psia)	(lb/lbmole)	in Line (lb)	(lb/hr)	Loads (year)	(TPY)
Oil	0.0015	0.00237	8.5	0.0202	0.01	150	2.18E-07	0.0202	1286	0.0130
							Max. VOC	0.0202		0.0130

Notes:

1. Volume Product = Line Surface Area (3.14 x D x L) x Clingage Factor x 42 gal/bbl / 1000

2. Clingage Factor from AP-42 Chapter 7.

3. Mass in Line = (Product Volume x Density)

Line Dimensions:

Basis Information:

	Gas/Vapor	Light Liquid	Heavy Liquid	Estim	ated	Estima	ated
	Components	Components	Components	Fugitive E	missions	Fugitive Er	missions
COMPONENTS				Lig	hts	Heav	ies
	(comp.)	(comp.)	(comp.)	lb/hr	ton/yr	lb/hr	ton/yr
VALVES	0	5	70	0.0005	0.0023	0.0343	0.1502
FLANGES	0	15	210	0.0053	0.0230	0.0103	0.0451
PUMP SEALS	0	1	9	0.0027	0.0118	0.1014	0.4443
OPEN ENDED LINES	0	0	0	0.0000	0.0000	0.0000	0.0000
DRAINS	0	0	0	0.0000	0.0000	0.0000	0.0000
RELIEF VALVES	0	1	0	0.0069	0.0301	0.0000	0.0000
SAMPLE CONNECTIONS*	0	0	0	0.0000	0.0000	0.0000	0.0000
TOTAL	0	22	289	0.0154	0.0673	0.1460	0.6396

Component Emission Factors

	Gas/Vapor	28 M	Light Liquid	28 M	Heavy Liquid	28 M
	Factor	% Reduction	Factor	% Reduction	Factor	% Reduction
Component	(lb/hr/comp)	(%)	(lb/hr/comp)	(%)	(lb/hr/comp)	(%)
VALVES	0.0089	97.0	0.0035	97.0	0.0007	30.0
FLANGES	0.0029	97.0	0.0005	30.0	0.00007	30.0
PUMP SEALS	0.0386	93.0	0.0386	93.0	0.0161	30.0
OPEN ENDED LINES	0.004	100.0	0.004	75.0	0.004	100.0
DRAINS	0.004	97.0	0.0027	97.0	0.0027	30.0
RELIEF VALVES	0.2293	97.0	0.2293	97.0	0.2293	30.0
SAMPLE CONNECTIONS*	0.0330	97.0	0.0000	97.0	0.0000	30.0

Emission Factors from TCEQ guidance document on equipment leaks. Includes Flange Monitoring

^{*} Sample connections are capped or blinded.

Fugitive ⊨missions

Speciation

	Max. Liquid	Emis	sions
Name	wt frac.	lb/hr	ton/yr
Oil	1.00	0.1460	0.6396

- 1) Composition is based on worst case weight fraction for each component to allow for variation.
- 2) Relief valves on oil tanks are accounted for by setting the tank vent settings to zero in the tank emission calculations.

Oily Water 20	08 YTD					6,677,549 G
Generator	Job #	Job Date	Description	Qty	P	
Atlantic Industrial Services (Shreveport)	55816	01/02/08	Recycle-Oily Water	50,040	P	
Enviro Solutions - Baytown	55913	01/02/08	necycle ony water	12,510	Р	
Ethyl Corporation		01/02/08	Recycle-Oily Water	389,978	Р	
Ethyl Corporation	55387	01/02/08	Recycle-Oily Water	50,680	Р	
Lubrizol-Deer Park	55811	01/02/08	Recycle	34,326	P	
KMTEX	55877		Recycle-Oily Water	43,380	Р	
KMTEX	55878	01/03/08	Recycle-Oily Water	46,840	Р	
Lubrizol-Deer Park	55813	01/03/08	Recycle	39,760	, P	
Lubrizol-Deer Park	55812	01/03/08	Recycle	31,620	P	
Lubrizol-Deer Park	55815	01/04/08	Recycle	28,600	P	
OEM	55939	01/04/08	Recycle good oil	2,919	P	
OEM	55937	01/04/08	Recycle-Used Oil	2,002	Р	
OEM	55937	01/04/08	Recycle-Used Oil	6,672	Р	
T3 Energy Services - Cypress	55902	01/04/08	Recycle-Oily Water	25,020	Р	
Lubrizol-Deer Park	56118	01/06/08	Recycle-H73	48,260	Р	
Enviro Solutions - Baytown	56175	01/07/08	neayare 1175	10,008	Р	
Farouk Systems	56126	01/07/08	CESQ2192	41,700	P	
Hydril HHP	56108	01/07/08	recycle	25,020	Р	
Lubrizol-Deer Park	55819	01/07/08	Recycle	38,360	P	
Lubrizol-Deer Park	55820	01/07/08	Recycle	35,260	Р	
NOV Drilling Equipment (West Little York)	56076	01/07/08	recycle	1,668	P	
Forged Vessel Connections, Inc.	56163	01/07/08	Recycle-Oily Water	20,850	Р	
Hydril HHP	56124	01/08/08	Recycle-Oily Water	8,340	Р	
Lubrizol-Deer Park	55821	01/08/08	Recycle	41,420	Р	
Lubrizol-Deer Park	55822	01/08/08	Recycle	40,740	Р	
MIC	56171	01/08/08	Recycle-Oily Water	37,530	P	
PGI International	56154	01/08/08	Recycle-Oily Water	16,680	P	
Select Environmental	57239	01/08/08	Recycle	41,700	P	
Elbi	56234	01/09/08	Recycle	4,587	Р	
Farouk Systems	55714	01/09/08	CESQ2192	29,190	P	
Lubrizol-Deer Park	55823	01/09/08	Recycle	32,980	Р	
Lubrizol-Deer Park	55824	01/09/08	Recycle	33,040	P	
Schlumberger Technology - IPC North	56193		00521191	5,838	P	
Schlumberger Technology - IPC North	56192	01/09/08	00521191	8,340	Р	
Lubrizol-Deer Park	55825	01/10/08	Recycle	34,940	Р	
Lubrizol-Deer Park	55826	01/10/08	Recycle	32,380	Р	
NOV Drilling Equipment (Lockwood)	56333	01/10/08	Recycle	13,344	Р	
Atlantic Industrial Services (Shreveport)	56361		Recycle-Oily Water	50,040	Р	
Farouk Systems	55967	01/11/08	CESQ2192	50,040	Р	
Forged Vessel Connections, Inc.	56516	01/11/08	Recycle-Oily Water	45,870	Р	
Lubrizol-Deer Park	55827	01/11/08	Recycle	30,740	Р	
Farouk Systems	56365	01/14/08	CESQ2192	25,020	Р	
Motiva Enterprises	57099	01/15/08		49,840	Р	
Atlantic Industrial Services	57459	01/16/08	Recycle-Oily Water	600	Р	
Farouk Systems	56366		CESQ2192	29,190	Р	
Lubrizol-Deer Park	56692		Recycle	20,100	Р	
Proler Southwest	56670		Recycle-Oily Water	41,700	Р	
Select Environmental	57132			41,700	P	
Atlantic Industrial Services (Shreveport)	56754	01/17/08	•	50,040	Р	
Commercial Metals	56809	01/17/08	Recycle-Oily Water	25,020	Р	
Enviro Solutions - Baytown	57134		, ,	4,170	Р	

Lubrizol-Deer Park	5665 5	01/17/08	Recycle	40,380	Р		
Lubrizol-Deer Park	5665 6	01/17/08	Recycle	34,420	Р		
OEM	56797	01/17/08	Recycle-Oily Water	8,340	Р		
Commercial Metals	56810	01/18/08	Recycle-Oily Water	25,020	Ρ		
Farouk Systems	56367	01/18/08	CESQ2192	29,190	P		
Lubrizol-Deer Park	56653	01/18/08	Recycle	36,780	P		
Lubrizol-Deer Park	56654	01/18/08	Recycle	38,600	P		
Canrig	56965		recycle	16,680	Р		
Canrig	56939	01/19/08	Recycle	33,040	P		
Lubrizol-Deer Park		01/19/08	Recycle	34,740	P		
Lubrizol-Deer Park	56788	01/19/08	Recycle	33,040	P		
Enviro Solutions - Baytown	57222	01/21/08	,	50,040	P		
Lubrizol-Deer Park		01/21/08	Recycle	266,250	Р		
Lubrizol-Deer Park		01/21/08	Recycle	35,100	P		
Lubrizol-Deer Park	57078	01/21/08	Recycle-H73	47,660	P		
Proler Southwest		01/22/08	Recycle	45,870	P		
Ameriforge Corporation		01/23/08	Recycle-Oily Water	39,320	P		
Enterprise Products Operating, L.P. [Splitter III)	57247	01/23/08	731191	37,400	P		
Enterprise Products Operating, L.P. (Splitter III)	57246		731191	37,300	P		
Enviro Solutions - Baytown		01/23/08	,31131	25,020	P		
Farouk Systems	56833		CESQ2192	33,360	P		
Hydril McCarty		01/23/08	Recycle	459	P		
Lubrizol-Deer Park	57013		Recycle	35,500	P		
Lubrizol-Deer Park		01/23/08	Recycle	•	P		
OEM		01/23/08	Recycle-Oily Water	36,820	P		
Ameriforge Corporation		01/24/08	Recycle-Oily Water	10,008	P		
Ameriforge Corporation		01/24/08		13,650	P		
Atlantic Industrial Services			Recycle-Oily Water	22,800	P		
Enviro Solutions - Baytown	57462	01/24/08 01/24/08	Recycle-Oily Water	600	P P		
Enviro Solutions - Baytown		01/24/08		25,020	P		
Lubrizol-Deer Park	57168		Recycle	10,008 35,940	P		
Proler Southwest		01/24/08	Recycle	45,870	P		
Vetco Gray	5726 7		Recycle-Oily Water	45,870	P		
Farouk Systems	56834	01/25/08	CESQ2192	41,700	P		
NOV Rig Solutions Sparesand Service	57378	01/25/08	Recycle	41,733	Р		
Proler Southwest	57389	01/25/08	Recycle	41,700	P.		
Proler Southwest	57390	01/25/08	Recycle	37,530	P		
Proler Southwest	57388	01/25/08	Recycle	41,700	P		
Lubrizol-Deer Park		01/28/08	Recycle	30,060	Р		
Lubrizol-Deer Park		01/28/08	Recycle	40,697	Р		
OEM		01/28/08	Recycle-Oily Water	20,016	P		
Select Environmental	5763 9		Recycle	41,700	Р		
VAM-USA		01/28/08	Recycle-Oily Water	7,506	P		
Atlantic Industrial Services (Shreveport)	57557	01/29/08	Recycle	45,870	P		
Lubrizol-Deer Park	57553	01/29/08	00012051	36,620	P		
Farouk Systems	57305		CESQ2192	45,870	P		
Lubrizol-Deer Park		01/30/08	Recycle	35,160	P		
Lubrizol-Deer Park	57613	01/30/08	Recycle	37,320	Р		
Momentum Biofuels	57846	01/30/08	Recycle-Oily Water	50,040	P		
VAM-USA	57611	01/30/08	Recycle-Oily Water	8,340	P		
Enviro Solutions - Baytown	57939	01/31/08	,	20,850	P		
GATX (Hearne)	57732	01/31/08	Recycle	50,040	P		
Lubrizol-Deer Park	57215	01/31/08	Recycle	35,080	P		
Lubrizol-Deer Park	57616	01/31/08	Recycle	35,280	Р		
Lubrizol-Deer Park	5761 5	01/31/08	Recycle	35,020	P		
		, - 1, 55		3,840,519	<u> </u>	480,065	G
				3,0,0,313		-00,003	5

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Enterprise Products Operating, L.P. (Splitter III)	57777	02/01/08	731191	42,480	Р
Enterprise Products Operating, L.P. (Splitter III)	57776	02/01/08	731191	41,860	Р
Farouk Systems	57306	02/01/08	CESQ2192	41,700	Ρ
Lubrizol-Deer Park	57853	02/01/08	00012051	33,840	P
Proler Southwest	57775	02/01/08	Recycle	41,700	Р
Proler Southwest	57774	02/01/08	Recycle	41,700	Р
VAM-USA	57743	02/01/08	Recycle-Oily Water	6,672	Р
Motiva Enterprises	57995	02/02/08		40,933	P
T3 Energy Services - Cypress	57769	02/02/08	Recycle-Oily Water	25,020	Р
Farouk Systems	57780	02/04/08	CESQ2192	33,360	Р
Greens Bayou Pipe Mill, LP	57892	02/04/08	Recycle-Oily Water	5,046	P
High Island Petrochemicals	58102	02/04/08	Oily Water	51,783	Р
High Island Petrochemicals	58101	02/04/08	Oily Water	49,798	Р
Hutchinson-Hayes International, Inc.(East Belt)	57980	02/04/08	Recycle	38,364	P P
KMTEX	57962	02/04/08	Recycle-Oily Water	48,920	P
KMTEX	57961	02/04/08	Recycle-Oily Water	48,460	P
LeTourneau Technologies	57933	02/04/08	Recycle-Oily Water	2,294	P
LeTourneau Technologies	57933	02/04/08	Recycle-Oily Water	2,294	P
Lubrizol-Deer Park	58069	02/04/08	Recycle-H73	48,280	P
Momentum Biofuels	58062	02/04/08	•		P
KMTEX	57964	02/05/08	Recycle-Oily Water Recycle-Oily Water	50,040	P
KMTEX	57963	02/05/08	•	33,180	
Koch Heat Transfer Company, LP	57955		Recycle-Oily Water	43,040	P
Martin Transport		02/05/08	Recycle-Oily Water	6,672	P
,	58097	02/05/08	Recycle	4,170	P
Farouk Systems	57781	02/06/08	CESQ2192	29,190	P
Lubrizol-Deer Park	58128	02/06/08	Recycle	35,660	Р
Lubrizol-Deer Park	58129	02/06/08	Recycle	32,860	Ρ
Lubrizol-Deer Park	58131	02/07/08	Recycle	36,260	Р
Lubrizol-Deer Park	58132	02/07/08	Recycle	36,540	Р
Atlantic Industrial Services (Shreveport)	58312	02/08/08	Recycle	51,374	Р
Canrig	57148	02/08/08	Recycle	300	Р
Farouk Systems	57782	02/08/08	CESQ2192	45,870	Р
Lubrizol-Deer Park	58133	02/08/08	Recycle	32,800	Р
Lubrizol-Deer Park	58134	02/08/08	Recycle	32,900	P
Momentum Biofuels	58506	02/08/08	Recycle-Oily Water	50,040	Р
Proler Southwest	58316	02/08/08	Recycle	41,700	P
Schlumberger Technology - IPC North	58334	02/08/08	00521191	10,842	Р
KMCO, Inc.	58360	02/09/08	Recycle-Oily Water	36,360	Ρ
	30300	02/03/00		55,555	
KMCO, Inc.	58359	02/09/08	Recycle-Oily Water	37,480	P
			Recycle-Oily Water Recycle-Oily Water		P P
KMCO, Inc.	58359	02/09/08		37,480	
KMCO, Inc.	58359 58361	02/09/08 02/09/08	Recycle-Oily Water	37,480 36,780	P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park	58359 58361 58136	02/09/08 02/09/08 02/09/08	Recycle-Oily Water Recycle	37,480 36,780 33,780	P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest	58359 58361 58136 58483	02/09/08 02/09/08 02/09/08 02/09/08	Recycle-Oily Water Recycle Recycle	37,480 36,780 33,780 41,700	Р Р Р
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest	58359 58361 58136 58483 58406	02/09/08 02/09/08 02/09/08 02/09/08 02/09/08	Recycle-Oily Water Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846	P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation	58359 58361 58136 58483 58406 58445	02/09/08 02/09/08 02/09/08 02/09/08 02/09/08 02/11/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024	P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems	58359 58361 58136 58483 58406 58445 58237	02/09/08 02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192	37,480 36,780 33,780 41,700 15,846 30,024 33,360	P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc.	58359 58361 58136 58483 58406 58445 58237 58494	02/09/08 02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514	P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park	58359 58361 58136 58483 58406 58445 58237 58494 58135	02/09/08 02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920	P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117)	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423	02/09/08 02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08	Recycle-Oily Water Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00	P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543	02/09/08 02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00	P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08	Recycle-Oily Water Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700	P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport)	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08	Recycle-Oily Water Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040	P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08	Recycle-Oily Water Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530	P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport)	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238 58540	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/13/08	Recycle-Oily Water Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530 50,040	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238 58540 58621	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08	Recycle-Oily Water Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530 50,040 47,538 46,704	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238 58540 58621 58759	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238 58540 58621 58759 58302 58303	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238 58540 58621 58759 58302	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Farouk Systems	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238 58540 58621 58759 58302 58303 58239 58305	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58541 58238 58540 58621 58759 58302 58303 58239 58305 58304	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Coolant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58541 58238 58540 58621 58759 58302 58303 58239 58304 58304	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle-Colant Recycle-Colly Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020 45,280	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58541 58541 58521 58759 58302 58303 58239 58304 58306 58307	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08 02/15/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle-Colant Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020 45,280 48,220	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58759 58302 58303 58239 58304 58306 58307 58841	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08 02/15/08 02/16/08 02/16/08 02/16/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020 45,280 48,220 41,700	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Enterprise Products Company Enterprise Products Company Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58543 58600 58541 58238 58540 58621 58759 58302 58303 58239 58304 58306 58307 58841 58845	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08 02/15/08 02/16/08 02/16/08 02/18/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020 45,280 48,220 41,700	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58540 58541 58238 58540 58621 58759 58302 58303 58239 58304 58306 58307 58841 58845 58843	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08 02/15/08 02/16/08 02/16/08 02/18/08 02/18/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020 45,280 48,220 41,700 41,700 45,870	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58540 58541 58238 58540 58621 58759 58302 58303 58239 58305 58304 58306 58307 58841 58845 58843 58842	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08 02/15/08 02/16/08 02/16/08 02/18/08 02/18/08	Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700.00 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020 45,280 48,220 41,700 41,700 45,870	P P P P P P P P P P P P P P P P P P P
KMCO, Inc. KMCO, Inc. Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Farouk Systems Forged Vessel Connections, Inc. Lubrizol-Deer Park Trinity Railcar Repair, Inc. (Plant #4117) Dresser Flow Enterprise Products Company Atlantic Industrial Services (Shreveport) Farouk Systems Atlantic Industrial Services (Shreveport) Enterprise Products Company Enterprise Products Company Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company Enterprise Products Company	58359 58361 58136 58483 58406 58445 58237 58494 58135 58423 58540 58541 58238 58540 58621 58759 58302 58303 58239 58304 58306 58307 58841 58845 58843	02/09/08 02/09/08 02/09/08 02/09/08 02/11/08 02/11/08 02/11/08 02/11/08 02/11/08 02/12/08 02/12/08 02/13/08 02/13/08 02/13/08 02/14/08 02/14/08 02/14/08 02/14/08 02/15/08 02/15/08 02/15/08 02/16/08 02/16/08 02/18/08 02/18/08	Recycle-Oily Water Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	37,480 36,780 33,780 41,700 15,846 30,024 33,360 17,514 36,920 41,700 12,510 50,040 37,530 50,040 47,538 46,704 36,580 36,740 33,360 34,940 40,020 45,280 48,220 41,700 41,700 45,870	P P P P P P P P P P P P P P P P P P P

Enterprise Products Company	58840	02/18/08	Recycle-Oily Water	46,704	Р		
Enterprise Products Company	58837	02/18/08	Recycle-Oily Water	41,700	Р		
Farouk Systems	58692	02/18/08	CESQ2192	41,700	Р		
Motiva Enterprises	58974	02/18/08		44,552	P		
Motiva Enterprises	5897 9	02/18/08		44,552	P		
T3 Energy Services - Cypress	58912		Recycle-Oily Water	25,020	Р		
Enterprise Products Operating, L.P. [Splitter III]	58922		731191	42,480	Р		
Enterprise Products Operating, L.P. [Splitter III)	58923	02/19/08	731191	36,850	Р		
MIC	58928	02/19/08	Recycle-Oily Water	25,687	Р		
Proler Southwest	5889 6	02/19/08	Recycle	41,700	P		
Ameriforge Corporation	59145	02/20/08	Recycle-Oily Water	1,668	Р		
Enterprise Products Company	58838	02/20/08	Recycle-Oily Water	29,190	Р		
Farouk Systems	58693	02/20/08	CESQ2192	25,020	Р		
NOV Rig Solutions Sparesand Service	59027		Recycle	29,190	Р		
Proler Southwest	58897	02/20/08	Recycle	41,700	Р		
Enterprise Products Operating, L.P. (Splitter III)	59153	02/21/08	731191	21,140	Р		
Enviro Solutions - Baytown	59254	02/21/08		29,190	Р		
LeTourneau Technologies	58986	02/21/08	Recycle-Oily Water	2,502	Р		
LeTourneau Technologies	58986	02/21/08	Recycle-Oily Water	2,502	P		
Lubrizol-Deer Park	59043		Recycle	37,320	Р		
Lubrizol-Deer Park	59042		Recycle	39,140	P		
NOV Drilling Equipment (Lockwood) Atlantic Industrial Services (Shreveport)	59133	02/21/08	Recycle	29,190	P		
Elbi	59147		Recycle-Oily Water	41,700	P		
Farouk Systems	59016	02/22/08	Recycle	45,870	P -		
Lubrizol-Deer Park	58694	02/22/08	CESQ2192	41,700	P		
Lubrizol-Deer Park	59103 59104	02/22/08	Recycle	36,960	P		
Ameriforge Corporation	59304	02/22/08 02/25/08	Recycle Recycle-Oily Water	36,140	P P		
Atlantic Industrial Services (Shreveport)	59148	02/25/08	Recycle-Oily Water	20,808	P		
Farouk Systems	59182		CESQ2192	50,040 29,190	P		
Lubrizol-Deer Park	59102	02/25/08	Recycle	38,420	P		
Lubrizol-Deer Park	59107		Recycle	34,560	P		
Proler Southwest	59294	02/25/08	Recycle	41,700	P		
Proler Southwest	59292		Recycle	41,700	Р		
Proler Southwest	59293		Recycle	41,700	Р		
			•	41,700			
Atjantic Industrial Services (Shreveport)	59322	02/26/08	Recycle-Oily Water	50 040	P		
Atlantic Industrial Services (Shreveport) Lubrizol-Deer Park	59322 59044	02/26/08	Recycle-Oily Water Recycle	50,040 33,820	P p		
Lubrizol-Deer Park	59044	02/26/08	Recycle	33,820	Р		
Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045	02/26/08 02/26/08	Recycle Recycle	33,820 34,460	P P		
Lubrizol-Deer Park	59044	02/26/08 02/26/08 02/27/08	Recycle Recycle Recycle-Oily Water	33,820 34,460 50,040	P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport)	59044 59045 59323	02/26/08 02/26/08 02/27/08 02/27/08	Recycle Recycle	33,820 34,460 50,040 48,900	P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation	59044 59045 59323 59524	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192	33,820 34,460 50,040 48,900 45,870	Р Р Р		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems	59044 59045 59323 59524 59183	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640	Р Р Р Р		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle	33,820 34,460 50,040 48,900 45,870	Р Р Р Р		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940	P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service	59044 59045 59323 59524 59183 59105 59106 59466	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530	P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International	59044 59045 59323 59524 59183 59105 59106 59466 59465	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020	P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III]	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574	P P P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III] Enviro Solutions - Baytown	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water 731191	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352	P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III] Enviro Solutions - Baytown Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100	P P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940	P P P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59715	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/28/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020	P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59715 59184	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700	P P P P P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX	59044 59045 59323 59524 59183 59105 59466 59465 59502 59607 59434 59433 59715 59184 59560	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720	P P P P P P P P P P P P P P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59715 59184 59560 59567	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280	P P P P P P P P P P P P P P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59715 59184 59560 59567	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500	P P P P P P P P P P P P P P P P P P P		
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59465 59502 59607 59434 59433 59715 59184 59560 59567 59566 59435	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59106 59466 59465 59502 59607 59434 59433 59715 59184 59560 59567 59566 59435	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59106 59466 59465 59502 59607 59434 59433 59715 59184 59560 59567 59566 59435 59436	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59106 59466 59465 59502 59607 59434 59433 59715 59184 59560 59567 59566 59435 59436	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/30/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59106 59466 59465 59502 59607 59434 59433 59715 59184 59560 59567 59566 59435 59436	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/30/08 03/03/08 03/03/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59106 59466 59465 59502 59607 59434 59433 59715 59184 59560 59567 59566 59435 59436	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/30/08 03/03/08 03/03/08 03/03/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700 16,680	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59718 59560 59567 59566 59435 59436 59575 59768 59768 59768 59768 59768	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/30/08 03/03/08 03/03/08 03/03/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700 16,680 16,680 16,680 16,680	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. (Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59718 59560 59567 59566 59435 59436 59768 59768 59768 59768 59768 59768	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/30/08 03/03/08 03/03/08 03/03/08 03/03/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle recycle recycle recycle recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700 16,680 16,680 16,680 16,680 16,680	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59718 59560 59567 59566 59435 59436 59575 59768 59768 59768 59768 59768 59768 59768 59768 59768	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/30/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700 16,680 16,680 16,680 16,680	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59718 59560 59567 59566 59435 59436 59768	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle recycle recycle recycle recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700 16,680 16,680 16,680 16,680 16,680	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59718 59560 59567 59566 59435 59436 59768 59768 59768 59768 59768 59768 59768 59768 59768 59768 59768 59768 59768 59768 59510 59510 59510 59513	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700 16,680 16,680 16,680 16,680 16,680 33,980	P P P P P P P P P P P P P P P P P P P	547,450	G
Lubrizol-Deer Park Lubrizol-Deer Park Atlantic Industrial Services (Shreveport) Ethyl Corporation Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park NOV Rig Solutions Sparesand Service PGI International Enterprise Products Operating, L.P. [Splitter III) Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Ethyl Corporation Farouk Systems KMTEX KMTEX KMTEX Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	59044 59045 59323 59524 59183 59105 59106 59466 59465 59502 59607 59434 59433 59718 59560 59567 59566 59435 59436 59768	02/26/08 02/26/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/27/08 02/28/08 02/28/08 02/28/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 02/29/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08 03/03/08	Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle Recycle Recycle-Oily Water 731191 Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle	33,820 34,460 50,040 48,900 45,870 35,640 37,940 25,020 37,530 21,574 23,352 37,100 38,940 50,020 41,700 44,720 40,280 38,500 33,280 32,540 4,379,599 41,700 16,680 16,680 16,680 16,680 16,680 33,980 36,380	P P P P P P P P P P P P P P P P P P P	547,450	G

Ethyl Corporation	59995	03/05/08	Recycle-Oily Water	47,760	Р
Farouk Systems	59576	03/05/08	CESQ2192	29,190	Р
KMTEX	59800	03/05/08	Recycle-Oily Water	42,620	Р
Proler Southwest	59752	03/05/08	Recycle	41,700	P
Proler Southwest	59750	03/05/08	Recycle	41,700	Р
KMCO, Inc.	59921	03/06/08	Recycle-Oily Water	38,560	Р
KMCO, Inc.	59922	03/06/08	Recycle-Oily Water	38,300	P
KMCO, Inc.	59923	03/06/08	Recycle-Oily Water	38,660	P
Vetco Gray	59931	03/06/08	Recycle-Oily Water	45,870	Ρ
Ameriforge Corporation	60082	03/07/08	Recycle-Oily Water	170,250	P
Farouk Systems	59577	03/07/08	CESQ2192	33,360	P
Lubrizol-Deer Park	60002	03/07/08	Recycle	30,180	Р
Lubrizol-Deer Park	60001	03/07/08	Recycle	32,180	Р
VAM-USA	60009	03/07/08	Recycle-Oily Water	5,838	Р
Lubrizol-Deer Park	60003	03/08/08	Recycle	33,020	P
Lubrizol-Deer Park	60004	03/08/08	Recycle	28,540	P
Farouk Systems	60019	03/10/08	CESQ2192	25,020	P
Lubrizol-Deer Park	60100	03/10/08	Recycle	32,400	P
Lubrizol-Deer Park	60101	03/10/08	Recycle	36,120	Р
Martin Transport	60176	03/10/08	Recycle	3,336	Р
Dresser Flow	60197	03/11/08	Recycle-Coolant	39,615.00	Р
Forged Vessel Connections, Inc.	60180	03/11/08	Recycle-Oily Water	16,680	Р
Hutchinson-Hayes International, Inc.(East Belt)	60229	03/11/08	Recycle	41,700	Р
Lubrizol-Deer Park	60202	03/11/08	Recycle	37,560	P
Farouk Systems	60020	03/12/08	CESQ2192	29,190	P
Forged Products	60289	03/12/08	Recycle-Oily Water		P ·
Forged Products	60290	03/12/08	Recycle-Oily Water	41,700	P
Lubrizof-Deer Park	60204	03/12/08	Recycle	44,202	P
Lubrizol-Deer Park	60203	03/12/08	Recycle	33,380	
Enviro Solutions - Baytown	60414		Recycle	16,259	P
LeTourneau Technologies	60374	03/13/08	Daniela Olle Materia	12,510	P
Phoenix Pollution Control		03/13/08	Recycle-Oily Water	4,170	P
	60549	03/13/08	Recycle	16,680	P
Farouk Systems	60021	03/14/08	CESQ2192	25,020	P
Hutchison Hayes International-Baytown	60390	03/14/08	Recycle-Oily Water	45,870	P
Hutchison Hayes International-Baytown	60389	03/14/08	Recycle-Oily Water	45,870	Р
Lubrizol-Deer Park	60356	03/14/08	Recycle 	35,980	P
Lubrizol-Deer Park	60368	03/14/08	Recycle	37,620	Р
Lubrizol-Deer Park	60369	03/14/08	Recycle	37,860	Р
Proler Southwest	60288	03/14/08	Recycle	41,700	Р
Lubrizol-Deer Park	60371	03/15/08	Recycle	35,340	Р
Farouk Systems	60395	03/17/08	CESQ2192	20,850	Р
KMTEX	60421	03/17/08	Recycle-Oily Water	32,320	Р
KMTEX	60422	03/17/08	Recycle-Oily Water	32,320	Р
Crescent Directional Drilling	60452	03/18/08	Recycle	16,680	Р
Lubrizol-Deer Park	60568	03/18/08	Recycle-H73	45,520	Р
Commercial Metals	60677	03/19/08	Recycle-Oily Water	50,040	Р
Farouk Systems	60396	03/19/08	CESQ2192	45,870	Р
Motiva Enterprises	60713	03/19/08		44,552	Р
T3 Energy Services - Cypress	60680	03/19/08	Recycle-Oily Water	25,020	P
Schlumberger Technology - IPC North	6037 8	03/20/08	00521191	19,182	Р
Lubrizol-Deer Park	60724	03/21/08	Recycle	33,740	Р
Lubrizol-Deer Park	60718	03/21/08	Recycle	38,140	Р
Lubrizol-Deer Park	60719	03/21/08	Recycle	35,620	Р
Lubrizol-Deer Park	60723	03/21/08	Recycle	38,360	Р
Lubrizol-Deer Park	60721	03/22/08	Recycle	36,920	P
Lubrizol-Deer Park	6072 0	03/22/08	Recycle	36,300	Р
Lubrizol-Deer Park	60726	03/22/08	Recycle	25,220	P
Lubrizol-Deer Park	60725	03/22/08	Recycle	27,100	Р
Proler Southwest	6076 9	03/22/08	Recycle	50,040	Р
Proler Southwest	60771	03/22/08	Recycle	50,040	Р
Enviro Solutions - Baytown	60970	03/24/08		5,004	Р
Ethyl Corporation	60969	03/24/08	Recycle-Oily Water	49,520	Р
Farouk Systems	60732	03/24/08	CESQ2192	41,700	Р
KMCO, Inc.	61160	03/24/08	Recycle-Oily Water	36,487	Р
KMCO, Inc.	60973	03/24/08	Recycle-Oily Water	41,700	P
Andergauge Drilling Systems	60710	03/25/08	Recycle	25,020	ρ
NOV (Magnolia)	60902	03/25/08	Recycle	6,672	P
Farouk Systems					
1 drouk Systems	60733	03/26/08	CESQ2192	41,700	Р
Lubrizol-Deer Park	60733 60984	03/26/08 03/26/08	CESQ2192 Recycle	41,700 34,260	P P

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60983 03/26/08
                                                                              Recycle
                                                                                                    33,580
                                                                                                                  Р
Lubrizol-Deer Park
                                                          61120 03/26/08
                                                                              Recycle-H73
                                                                                                    44.660
                                                                                                                  P
PGI International
                                                          60992
                                                                  03/26/08
                                                                              Recycle-Oily Water
                                                                                                    23,352
                                                                                                                  P
                                                          61051
                                                                  03/27/08
                                                                             Recycle-Oily Water
                                                                                                    48,280
                                                                                                                  P
Lubrizol-Deer Park
                                                          60986
                                                                  03/27/08
                                                                              Recycle
                                                                                                    39.980
                                                                                                                  Р
Lubrizol-Deer Park
                                                          60985
                                                                  03/27/08
                                                                                                    42,060
                                                                                                                  P
VAM-USA
                                                          61060
                                                                 03/27/08
                                                                             Recycle-Oily Water
                                                                                                    20.850
                                                                                                                  Р
KMTEX
                                                          61115
                                                                  03/28/08
                                                                              Recycle-Oily Water
                                                                                                    45,220
Lubrizol-Deer Park
                                                          60987
                                                                  03/28/08
                                                                              Recycle
                                                                                                    36.260
                                                                                                                  P
Martin Transport
                                                          61170
                                                                  03/28/08
                                                                              Recycle
                                                                                                    4.170
                                                                                                                  Р
Atlantic Industrial Services
                                                          61408
                                                                  03/29/08
                                                                              Recycle-Oily Water
                                                                                                    46,197
                                                                                                                  Р
Forged Vessel Connections, Inc.
                                                          60705
                                                                             Recycle-Oily Water
                                                                 03/29/08
                                                                                                    4.170
                                                                                                                  P
Lubrizol-Deer Park
                                                          60989
                                                                  03/29/08
                                                                                                    36,260
Enviro Solutions - Baytown
                                                          61616 03/31/08
                                                                                                    41,700
                                                                                                                  Р
Farouk Systems
                                                          61211
                                                                  03/31/08
                                                                             CESQ2192
                                                                                                                  P
                                                                                                    41,700
Hydril HHP
                                                          61336
                                                                  03/31/08
                                                                                                    800
                                                                                                                  Р
KMTEX
                                                          61052 03/31/08
                                                                              Recycle-Oily Water
                                                                                                    40.220
                                                                                                                  P
Lubrizol-Deer Park
                                                          61095
                                                                  03/31/08
                                                                              Recycle
                                                                                                    41,520
                                                                                                                  р
Lubrizol-Deer Park
                                                          61096
                                                                  03/31/08
                                                                             Recycle
                                                                                                    33,940
                                                                                                                        417,411 G
                                                                                                    3,339,286
Ethyl Corporation
                                                          61603 04/01/08
                                                                             Recycle-Oily Water
                                                                                                    47,340
                                                                                                                  P
Forged Products
                                                          61477
                                                                  04/01/08
                                                                              Recycle-Oily Water
                                                                                                    40,032
                                                                                                                  Р
KMTEX
                                                          61116 04/01/08
                                                                             Recycle-Oily Water
                                                                                                    44,140
                                                                                                                  P
KMTEX
                                                          61114
                                                                  04/01/08
                                                                             Recycle-Oily Water
                                                                                                    42,000
                                                                                                                  P
NOV Drilling Equipment (West Little York)
                                                          61315
                                                                  04/01/08
                                                                              Recycle
                                                                                                    200
                                                                                                                  Ρ
Enviro Solutions - Baytown
                                                          61523
                                                                 04/02/08
                                                                             RECYCLE
                                                                                                    4.170
                                                                                                                  Ρ
Farouk Systems
                                                          61213
                                                                  04/02/08
                                                                             CESQ2192
                                                                                                    44,202
Forged Products
                                                                  04/02/08
                                                          61501
                                                                              Recycle-Oily Water
                                                                                                    10,008
                                                                                                                  Р
KMTEX
                                                          61117
                                                                  04/02/08
                                                                              Recycle-Oily Water
                                                                                                    30,480
                                                                                                                  P
Lubrizol-Deer Park
                                                          61419
                                                                  04/02/08
                                                                              Recycle
                                                                                                    34,940
                                                                                                                  P
Lubrizol-Deer Park
                                                          61420
                                                                 04/02/08
                                                                              Recycle
                                                                                                    36,740
                                                                                                                  Р
MiC
                                                          61452
                                                                  04/02/08
                                                                              Recycle-Oily Water
                                                                                                    3,630
Hydril HHP
                                                          61505
                                                                  04/03/08
                                                                             recycle
                                                                                                    200
                                                                                                                  Р
Hydril HHP
                                                          61637
                                                                  04/03/08
                                                                              Recycle-Oily Water
                                                                                                    14,178
                                                                                                                  Ρ
KMTEX
                                                          61531 04/03/08
                                                                              Recycle-Oily Water
                                                                                                    37,760
                                                                                                                  P
Select Environmental
                                                          61722
                                                                 04/03/08
                                                                              Recycle
                                                                                                    46,704
Canrig
                                                          61624
                                                                  04/04/08
                                                                              Recycle
                                                                                                    917
                                                                                                                  Р
Farouk Systems
                                                          61214
                                                                  04/04/08
                                                                              CESQ2192
                                                                                                    41,700
                                                                                                                  Р
Canrig
                                                          61631
                                                                  04/05/08
                                                                                                    33,360
                                                                                                                  Р
Canrig
                                                          61632
                                                                  04/05/08
                                                                                                    12.750
                                                                             recycle
                                                                                                                  р
Farouk Systems
                                                          61636
                                                                  04/07/08
                                                                                                    20,850
                                                                             CESQ2192
                                                          62016
                                                                  04/07/08
                                                                                                    18 348
                                                                                                                  P
NOV Drilling Equipment (West Little York)
                                                          61731
                                                                  04/07/08
                                                                             Recycle-Oily Water
                                                                                                    45,870
Proler Southwest
                                                          61732
                                                                  04/07/08
                                                                             Recycle
                                                                                                    50.040
                                                                                                                  Р
Proler Southwest
                                                          61733
                                                                  04/07/08
                                                                              Recycle
                                                                                                    46,704
Select Environmental
                                                          61871
                                                                  04/07/08
                                                                              Recycle
                                                                                                    40,032
                                                                                                                  Р
Select Environmental
                                                          61883
                                                                  04/07/08
                                                                              Recycle
                                                                                                    41,700
                                                                                                                  Р
Proler Southwest
                                                          61735
                                                                  04/08/08
                                                                              Recycle
                                                                                                    50.040
                                                                                                                  Ρ
Proler Southwest
                                                          61734
                                                                  04/08/08
                                                                                                    50.040
                                                                              Recycle
                                                                                                                  Ρ
Ameriforge Corporation
                                                          61866
                                                                  04/09/08
                                                                              Recycle-Oily Water
                                                                                                    41,700
Farouk Systems
                                                          61644
                                                                  04/09/08
                                                                             CESQ2192
                                                                                                    41,700
                                                                                                                 Р
Forged Vessel Connections, Inc.
                                                          61992
                                                                  04/09/08
                                                                              Recycle-Oily Water
                                                                                                    12,510
                                                                                                                  Р
Motiva Enterprises
                                                          62019
                                                                  04/09/08
                                                                                                    20.850
                                                                                                                  P
Proler Southwest
                                                          61902
                                                                  04/09/08
                                                                              Recycle
                                                                                                    41,700
Proler Southwest
                                                          61903
                                                                  04/09/08
                                                                             Recycle
                                                                                                    41,700
                                                                                                                  р
Ameriforge Corporation
                                                          62007
                                                                  04/10/08
                                                                              Recycle-Oily Water
                                                                                                    43,900
KMTEX
                                                          62081
                                                                 04/10/08
                                                                             Recycle-Oily Water
                                                                                                    52,820
                                                                                                                  Ρ
KMTEX
                                                          62082 04/10/08
                                                                             Recycle-Oily Water
                                                                                                    43,260
                                                                                                                  Ρ
Lubrizol-Deer Park
                                                          61925
                                                                  04/10/08
                                                                                                    37,720
Lubrizol-Deer Park
                                                          61926
                                                                  04/10/08
                                                                             Recycle
                                                                                                    37.100
                                                                                                                  D
Proler Southwest
                                                          62023
                                                                  04/10/08
                                                                                                    43,368
                                                                                                                  P
                                                                              Recycle
Dresser Flow
                                                          62035
                                                                  04/11/08
                                                                              Recycle-Coolant
                                                                                                    41,700.00
                                                                                                                 Ρ
Farouk Systems
                                                          61645
                                                                 04/11/08
                                                                             CESQ2192
                                                                                                    29,190
                                                                                                                  р
KMTEX
                                                          62083
                                                                 04/11/08
                                                                              Recycle-Oily Water
                                                                                                    39,920
KMTEX
                                                          62084
                                                                  04/11/08
                                                                              Recycle-Oily Water
                                                                                                    46,540
                                                                                                                  Ρ
NOV Drilling Equipment (West Little York)
                                                          62040
                                                                  04/11/08
                                                                                                                 Р
                                                                              Recycle
                                                                                                    100
PGI International
                                                          62037 04/11/08
                                                                              Recycle-Oily Water
                                                                                                    25,020
                                                                                                                  P
T3 Energy Services - Cypress
                                                          61623 04/11/08
                                                                             Recycle-Oily Water
                                                                                                    25.020
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Lubrizol-Deer Park

Lubrizol-Deer Park	61927	04/12/08	Recycle	35,500	P
Lubrizol-Deer Park	61928	04/12/08	Recycle	34,280	P
Farouk Systems	62066	04/14/08	CESQ2192	29,190	P
Motiva Enterprises	62341	04/14/08		42,275	Р
Proler Southwest	62032	04/14/08	Recycle	45,870	P
Enterprise products Operating LLC-Jacintoport Facility	61959	04/15/08	recyclable	2,502	P
Enterprise Products Operating, L.P. (Splitter III)	62302	04/15/08	731191	30,020	Р
Enterprise Products Operating, L.P. [Splitter III)	62303	04/15/08	731191	39,300	Р
Enviro Solutions - Baytown	62413	04/15/08		19,182	P
Enviro Solutions - Baytown	62414	04/15/08		10,008	Р
KMTEX	62237	04/15/08	Recycle-Oily Water	45,380	P
KMTEX	62236	04/15/08	Recycle-Oily Water	48,880	P
NOV (Magnolia)	62270	04/15/08	Recycle	1,668	, P
Enviro Solutions - Baytown	62739	04/16/08		18,348	Р
Farouk Systems	62091	04/16/08	CESQ2192	29,190	Р
KMTEX	62238	04/16/08	Recycle-Oily Water	42,980	P
LeTourneau Technologies	62385	04/16/08	Recycle-Oily Water		P
Enterprise Products Operating, L.P. [Splitter III)	62431	04/17/08	731191	16,680	P
KMTEX	62239			35,460	
Farouk Systems	62239	04/17/08	Recycle-Oily Water	51,460	Р
KMTEX	62520	04/18/08	CESQ2192	45,870	P
KMTEX		04/18/08	Recycle-Oily Water	43,260	P
	62521	04/18/08	Recycle-Oily Water	42,880	P
Proler Southwest	62537	04/18/08	Recycle	45,870	Р
Select Environmental	62678	04/18/08	Recycle	45,870	P
Ethyl Corporation	62737	04/21/08	Recycle-Oily Water	49,780	P
Farouk Systems	62510	04/21/08	CESQ2192	20,850	Р
Motiva Enterprises	62735	04/21/08		43,977	P
Select Environmental	62751	04/21/08	Recycle	45,870	p
Enviro Solutions - Baytown	62787	04/22/08		21,684	P
Hutchinson-Hayes International, Inc.(East Belt)	62693	04/22/08	Recycle	40,032	P
KMCO, Inc.	62754	04/22/08	Recycle-Oily Water	24,000	₽
KMCO, Inc.	62752	04/22/08	Recycle-Oily Water	34,940	Р
Farouk Systems	62511	04/23/08	CESQ2192	30,024	Р
KMTEX	62808	04/23/08	Recycle-Oily Water	45,360	P
Koch Heat Transfer Company, LP	62846	04/23/08	Recycle-Oily Water	20,800	Р
Proler Southwest	62825	04/23/08	Recycle	41,700	P
Vetco Gray	62781	04/23/08	Recycle-Oily Water	43,368	Р
Atlantic Industrial Services (Shreveport)	62870	04/24/08	Recycle-Oily Water	35,320	Р
Atlantic Industrial Services (Shreveport)	62869	04/24/08	Recycle-Oily Water	53,209	р
KMTEX	62815	04/24/08	Recycle-Oily Water	45,360	Р
KMTEX	62852	04/24/08	Recycle-Oily Water	44,200	P
KMTEX	62851	04/24/08	Recycle-Oily Water	44,840	P
КМТЕХ	62850	04/24/08	Recycle-Oily Water	41,940	Р
KMTEX	62849	04/24/08	Recycle-Oily Water	45,460	Р
Enviro Solutions - Baytown	63103	04/25/08	,	9,174	Р
Ethyl Corporation	63081	04/25/08	Recycle-Oily Water	45,420	Р
Farouk Systems	62512	04/25/08	CESQ2192	43,368	Р
KMTEX	62822	04/25/08	Recycle-Oily Water	38,120	P
KMTEX	62854	04/25/08	Recycle-Oily Water	47,080	P
KMTEX	62853	04/25/08	Recycle-Oily Water	43,760	P
KMTEX	63711	04/25/08	Recycle-Oily Water	46,700	r P
NOV Drilling Equipment (Lockwood)	62948	04/25/08	Recycle	12,510	P
NOV Drilling Equipment (West Little York)	62888	04/25/08	Recycle		
Proler Southwest	63100	04/25/08		450	P
Proler Southwest			Recycle	41,700	P
Lubrizoi-Deer Park	63102 63125	04/25/08	Recycle	41,700	P
Atlantic Industrial Services (Shreveport)		04/26/08	Recycle-H73	45,780	P
. , ,	62980	04/28/08	Recycle-Oily Water	44,035	P
Farouk Systems	62898	04/28/08	CESQ2192	20,850	Р
Hydril HHP	63098	04/28/08	Recycle-Oily Water	12,176	Р
T3 Energy Services - Cypress	62953	04/28/08	Recycle-Oily Water	23,352	Р
Atlantic Industrial Services (Shreveport)	62981	04/29/08	Recycle-Oily Water	44,035	Р
Gulf Coast Oil Recovery	63305	04/29/08	Recycle-Oily Water	41,700	Р
Hydril HHP	63145	04/29/08	Recycle-Oily Water	2,502	P
Ameriforge Corporation	63243	04/30/08	Recycle-Oily Water	20,850	P
Farouk Systems	62899	04/30/08	CESQ2192	33,360	Р
KMTEX	63246	04/30/08	Recycle-Oily Water	37,620	Р
KMTEX	63247	04/30/08	Recycle-Oily Water	35,080	P
LeTourneau Technologies	63312	04/30/08	Recycle-Oily Water	12,510	Р
MIC	63274	04/30/08	Recycle-Oily Water	31,650	Р

Proler Southwest	63314	04/30/08	Recycle	41,700	Р		
				3,946,712		493,339	G
In.							
IDM	63563	05/01/08	recycle	638	P		
IDM IDM	63563	05/01/08	recycle	638	Р		
IDM IDM	63563	05/01/08	recycle	638	P		
IDM IDM	63563	05/01/08	recycle	638	P		
IDM IDM	63563	05/01/08	Recycle	876	P		
IDM	63563	05/01/08	Recycle	876	P		
IDM	635 63 635 63	05/01/08	Recycle	876	P		
IDM	63563	05/01/08 05/01/08	Recycle	876	P		
IDM	63563	05/01/08	Recycle recycle	876 639	P P		
KMTEX	63248	05/01/08	Recycle-Oily Water	638 38,520	P		
KMTEX	63249	05/01/08	Recycle-Oily Water	39,060	P		
Schlumberger Technology - IPC North	63317	05/01/08	00521191	12,510	P		
Select Environmental	63461	05/01/08	Recycle	41,700	P		
Atlantic Industrial Services (Shreveport)	63414	05/02/08	Recycle-Oily Water	51,374	P		
Atlantic Industrial Services (Shreveport)	63415	05/02/08	Recycle-Oily Water	51,374	P		
Farouk Systems	62900	05/02/08	CESQ2192	41,700	P		
KMTEX	63585	05/02/08	Recycle-Oily Water	35,560	P		
Lubrizol-Deer Park	63513	05/02/08	00012051	39,280	P		
Proler Southwest	63432	05/02/08	Recycle	41,870	P		
Lubrizol-Deer Park	63588	05/04/08	Recycle-H73	43,820	P		
Atlantic Industrial Services (Shreveport)	63416	05/05/08	Recycle-Oily Water	51,374	Р		
Enviro Solutions - Baytown	63641	05/05/08	,,	22,518	P		
Ethyl Corporation	63638	05/05/08	Recycle-Oily Water	45,720	Р		
Ethyl Corporation	63636	05/05/08	Recycle-Oily Water	49,620	Р		
Farouk Systems	63431	05/05/08	CESQ2192	16,680	Р		
KMTEX	63357	05/05/08	Recycle-Oily Water	42,320	Р		
KMTEX	63543	05/05/08	Recycle-Oily Water	37,980	Р		
KMTEX	63612	05/05/08	Recycle-Oily Water	42,320	Р		
KMTEX	63544	05/05/08	Recycle-Oily Water	42,000	Р		
Lubrizol-Deer Park	63531	05/05/08	00012051	20,000	P		
Motiva Enterprises	63894	05/05/08		46,837	P		
Proler Southwest	63634	05/05/08	Recycle	43,368	Р		
Proler Southwest	63433	05/05/08	Recycle	45,870	Р		
Select Environmental	63642	05/05/08	Recycle	41,700	Р		
Select Environmental	63812	05/05/08	Recycle	47,788	Р		
VAM-USA	63579	05/05/08	Recycle-Oily Water	10,008	Ρ		
Atlantic Industrial Services (Shreveport)	63417	05/06/08	Recycle-Oily Water	44,035	P		
Enviro Solutions - Baytown	636 87	05/06/08		16,680	Р		
KMCO, Inc.	63 896	05/06/08	Recycle-Oily Water	50,000	Р		
KMCO, Inc.	63895	05/06/08	Recycle-Oily Water	50,000	Р		
KMCO, Inc.	63892	05/06/08	Recycle-Oily Water	50,000	Р		
KMTEX	63545	05/06/08	Recycle-Oily Water	41,100	P		
KMTEX Lubrizol-Deer Park	63546	05/06/08	Recycle-Oily Water	43,060	P		
NOV Rig Solutions Sparesand Service	63705 63623	05/06/08 05/06/08	Recycle-H73 Recycle	48,560	P P		
Proler Southwest	63602		Recycle	25,020 41,700	P		
Schlumberger Technology - IPC North	63606	05/06/08	00521191	10,842	P		
T3 Energy Services - Cypress	63605	05/06/08	Recycle-Oily Water	16,680	P		
Burbank Barrel & Drum	63133	05/07/08	Recycle	41,700	P		
Projer Southwest	63603	05/07/08	Recycle	45,870	P		
GATX (Hearne)	63707	05/08/08	Recycle	25,020	P		
LeTourneau Technologies	63777	05/08/08	Recycle-Oily Water	800	Р		
LeTourneau Technologies	63777	05/08/08	Recycle-Oily Water	1,600	P		
Lubrizol-Deer Park	63759	05/08/08	Recycle	35,720	P		
Proler Southwest	63708	05/08/08	Recycle	41,700	Р		
Proler Southwest	6370 9	05/08/08	Recycle	45,870	Р		
Select Environmental	64076	05/08/08	Recycle	35,028	Р		
Select Environmental	63857	05/08/08	Recycle	45,870	P		
Atlantic Industrial Services (Shreveport)	63752	05/09/08	Recycle-Oily Water	45,870	P		
Atlantic Industrial Services (Shreveport)	63751		Recycle-Oily Water	29,107	Р		
Enviro Solutions - Baytown	64078	05/09/08	,	46,370	P		
Farouk Systems	63435	05/09/08	CESQ2192	29,190	Р		
KMTEX	63848	05/09/08	Recycle-Oily Water	53,240	P		
Lubrizol-Deer Park	63761	05/09/08	Recycle	36,740	Р		
Lubrizol-Deer Park	63762	05/09/08	Recycle	14,540	Р		

PGI International	63881	05/09/08	Recycle-Oily Water	13,344	Р
Lubrizol-Deer Park	63866	05/10/08	Recycle	28,700	Р
Lubrizol-Deer Park	63867	05/10/08	Recycle	28,140	Р
Proler Southwest	63987	05/10/08	Recycle	45,870	Р
Atlantic Industrial Services	64101	05/12/08	Recycle-Oily Water	800	Р
Enviro Solutions - Baytown	64094	05/12/08		48,372	Р
Enviro Solutions - Baytown	64099	05/12/08		50,040	P
Enviro Solutions - Baytown	64098	05/12/08		58,380	Р
Enviro Solutions - Baytown	64095	05/12/08		58,380	Р
Enviro Solutions - Baytown	64195	05/12/08		50,040	Р
Enviro Solutions - Baytown	64194	05/12/08		25,020	₽
Farouk Systems	63917	05/12/08	CESQ2192	22,760	Р
Hutchinson-Hayes International, Inc.(East Belt)	64038	05/12/08	Recycle	20,850	Р
KMTEX	64018	05/12/08	Recycle-Oily Water	43,560	Р
KMTEX	64017	05/12/08	Recycle-Oily Water	44,700	P
Lubrizol-Deer Park	64085	05/12/08	Recycle-H73	50,780	P
Proler Southwest	63989	05/12/08	Recycle	41,700	P
Select Environmental	64096	05/12/08	Recycle	45,870	, P
Enterprise Products-Wharton Station	64061	05/13/08	Recycle	13,344	, P
Hydril McCarty	64053	05/13/08	Recycle		P
KMTEX	64040	05/13/08	Recycle-Oily Water	7,838 50,880	P
Lubrizol-Deer Park	64070	05/13/08		•	
Proier Southwest			00012051	38,240	P
	63990	05/13/08	Recycle	41,700	Р
Atlantic Industrial Services (Shreveport)	64149	05/14/08	Recycle-Oily Water	43,577	P
Ethyl Corporation	64283	05/14/08	Recycle-Oily Water	47,020	Р
Farouk Systems	63922	05/14/08	CESQ2192	41,700	Р
KMTEX	64042	05/14/08	Recycle-Oily Water	51,360	Р
Proler Southwest	64145	05/14/08	Recycle	41,700	₽
Atlantic Industrial Services (Shreveport)	64150	05/15/08	Recycle-Oily Water	43,577	Р
Enterprise Products Operating, L.P. (Splitter III)	64090	05/15/08	731191	34,860	Р
Enterprise Products Operating, L.P. [Splitter III)	640 89	05/15/08	731191	37,260	Р
KMTEX	64043	05/15/08	Recycle-Oily Water	53,040	Р
KMTEX	64044	05/15/08	Recycle-Oily Water	52,760	P
Ameriforge Corporation	64221	05/16/08	Recycle-Oily Water	45,870	P
Atlantic Industrial Services (Shreveport)	64151	05/16/08	Recycle-Oily Water	50,457	Р
Dresser Flow	64271	05/16/08	Recycle-Coolant	41,700.00	Р
Dresser Flow Farouk Systems	64271 63923	05/16/08 05/16/08	Recycle-Coolant CESQ2192		P P
		05/16/08	CESQ2192	33,360	Р
Farouk Systems	63923 64046	05/16/08 05/16/08	CESQ2192 Recycle-Oily Water	33,360 47,960	P P
Farouk Systems KMTEX KMTEX	63923 64046 64045	05/16/08 05/16/08 05/16/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020	P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP	63923 64046 64045 64225	05/16/08 05/16/08 05/16/08 05/16/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344	P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park	63923 64046 64045 64225 64299	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle	33,360 47,960 51,020 13,344 35,220	P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park	63923 64046 64045 64225 64299 64200	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820	P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest	63923 64046 64045 64225 64299 64200 64270	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700	P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental	63923 64046 64045 64225 64299 64200 64270 64498	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870	P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc.	63923 64046 64045 64225 64299 64200 64270 64498 64510	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700	P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park	63923 64046 64045 64225 64299 64270 64498 64510 64511	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560	P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020	P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862	P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160	P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, inc Lubrizol-Deer Park Lubrizol-Deer Park	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420	P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468 64467 64528	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc.	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468 64467 64528	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468 64467 64528 64523	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870	P P P P P P P P P P P P P P P P P P P
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Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468 64467 64528 64523	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
Farouk Systems KMTEX KMTEX KOCH Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems	63923 64046 64045 64225 64299 64200 64270 64498 64510 64593 64294 64295 64468 64467 64528 64523 64580 64301	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/21/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-H73 CESQ2192 Recycle CESQ2192	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX KOCH Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468 64467 64528 64523 64580 64301 64666	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/20/08 05/21/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport)	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64295 64468 64467 64528 64523 64520 64501 64666 64639	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/21/08 05/22/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport)	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64468 64467 64528 64523 64523 64580 64301 64666 64639 64637	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/20/08 05/22/08 05/22/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Canrig	63923 64046 64045 64225 64299 64200 64270 64498 64511 64300 64593 64294 64295 64468 64467 64528 64523 64523 64530 64666 64639 64637 64682	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/22/08 05/22/08 05/22/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209 41,700	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Canrig Enviro Solutions - Baytown	63923 64046 64045 64225 64299 64200 64270 64498 64510 64511 64300 64593 64294 64295 64467 64528 64467 64528 64523 64501 64666 64639 64637 64682 64725	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08	CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209 41,700 45,870 45,870	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Canrig Enviro Solutions - Baytown Fogle Mfg	63923 64046 64045 64225 64299 64200 64270 64498 64511 64300 64593 64294 64295 64467 64528 64301 64666 64639 64637 64682 64725 64682	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 41,700 24,740 53,209 53,209 41,700 45,870 12,510 38,900	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Canrig Enviro Solutions - Baytown Fogle Mfg Lubrizol-Deer Park	63923 64046 64045 64225 64299 64200 64270 64498 64511 64300 64593 64294 64295 64467 64528 64528 64523 64530 64666 64639 64637 64682 64725 64654 64675	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209 41,700 45,870 12,510 38,900 3,000	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX Koch Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Canrig Enviro Solutions - Baytown Fogle Mfg Lubrizol-Deer Park NOV Drilling Equipment (West Little York) Atlantic Industrial Services (Shreveport)	63923 64046 64045 64225 64299 64200 64270 64498 64511 64300 64593 64294 64295 64467 64528 64523 64528 64523 64530 64666 64639 64637 64682 64675 64663	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209 41,700 45,870 12,510 38,900 3,000 43,577	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX KOCH Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Canrig Enviro Solutions - Baytown Fogle Mfg Lubrizol-Deer Park NOV Drilling Equipment (West Little York) Atlantic Industrial Services (Shreveport) Atlantic Industrial Services (Shreveport)	63923 64046 64045 64225 64299 64200 64270 64498 64511 64300 64593 64294 64295 64467 64528 64523 64580 64301 64666 64639 64637 64682 64725 64654 64675 64663 64675 64663	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle-Oily Water Recycle R	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209 41,700 45,870 12,510 38,900 3,000 43,577 53,209	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX KOCH Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Atlantic Industrial Services (Shreveport) Canrig Enviro Solutions - Baytown Fogle Mfg Lubrizol-Deer Park NOV Drilling Equipment (West Little York) Atlantic Industrial Services (Shreveport) Atlantic Industrial Services (Shreveport)	63923 64046 64045 64225 64299 64200 64270 64498 64511 64300 64593 64294 64295 64468 64528 64528 64523 64580 64301 64666 64639 64637 64682 64725 64654 64675 64663 64675 64663 64671 64640 64712	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/20/08 05/22/08 05/23/08 05/23/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle CESQ2192 Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle O012051 Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209 41,700 45,870 12,510 38,900 3,000 43,577 53,209 1,143	P P P P P P P P P P P P P P P P P P P
Farouk Systems KMTEX KMTEX KOCH Heat Transfer Company, LP Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Select Environmental KMCO, Inc. Lubrizol-Deer Park Farouk Systems Houston Marine Services, Inc Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Forged Vessel Connections, Inc. Lubrizol-Deer Park Farouk Systems Ameriforge Corporation Atlantic Industrial Services (Shreveport) Canrig Enviro Solutions - Baytown Fogle Mfg Lubrizol-Deer Park NOV Drilling Equipment (West Little York) Atlantic Industrial Services (Shreveport) Atlantic Industrial Services (Shreveport)	63923 64046 64045 64225 64299 64200 64270 64498 64511 64300 64593 64294 64295 64467 64528 64523 64580 64301 64666 64639 64637 64682 64725 64654 64675 64663 64675 64663	05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/16/08 05/18/08 05/18/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/19/08 05/20/08 05/20/08 05/22/08	Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-H73 CESQ2192 Recycle Oily Water Recycle-Oily Water Recycle-Oily Water Recycle Recycle-Oily Water Recycle R	33,360 47,960 51,020 13,344 35,220 38,820 41,700 45,870 35,700 45,560 25,020 35,862 38,160 40,420 41,700 37,500 45,870 16,680 38,900 41,700 24,740 53,209 53,209 41,700 45,870 12,510 38,900 3,000 43,577 53,209	P P P P P P P P P P P P P P P P P P P

Hutchinson-Hayes International, Inc.(East Belt)	64926	05/27/08	Recycle	25,020	Р		
Lubrizol-Deer Park	64665	05/27/08	Recycle	31,580	P		
Proler Southwest	64884	05/27/08	Recycle	45,036	Ρ		
Atlantic Industrial Services	64979	05/28/08	Recycle-Oily Water	43,793	Р		
Atlantic Industrial Services	64978	05/28/08	Recycle-Oily Water	45,945	Р		
Canrig	64910	05/28/08	recycle	200	P		
Enviro Solutions - Baytown	65011	05/28/08		22,518	Р		
Lubrizol-Deer Park	64664	05/28/08	Recycle	37,600	Р		
Proier Southwest	64982	05/28/08	Recycle	41,700	Р		
Proler Southwest	64981	05/28/08	Recycle	41,700	Р		
Burbank Barrel & Drum	64958	05/29/08	Recycle	41,700	P		
KMTEX	65022	05/29/08	Recycle-Oily Water	47,280	P		
KMTEX	6502 1	05/29/08	Recycle-Oily Water	45,780	Р		
Proler Southwest	64983	05/29/08	Recycle	41,700	P		
Atlantic Industrial Services (Shreveport)	6507 1	05/30/08	Recycle-Oily Water	43,577	Р		
Burbank Barrel & Drum	64959	05/30/08	Recycle	41,700	P		
Farouk Systems	64737	05/30/08	CESQ2192	45,870	Р		
				5,297,386		662,173	G
Ameriforge Corporation	65128	06/02/08	Recycle-Oily Water	38,940	Р		
Atlantic Industrial Services (Shreveport)	65225	06/02/08	Recycle-Oily Water	45,870	P		
Farouk Systems	65084	06/02/08	CESQ2192	37,530	Р		
Proler Southwest	65210	06/02/08	Recycle	41,700	Р		
VAM-USA	652 11	06/02/08	Recycle	3,200	Р		
VAM-USA	65220	06/02/08	Recycle-Oily Water	6,172	P		
Atlantic Industrial Services (Shreveport)	65226	06/03/08	Recycle-Oily Water	44,035	P		
Burbank Barrel & Drum	65249	06/03/08	Recycle	41,700	Р		
Enterprise Products Operating, L.P. [Splitter 111)	65259	06/03/08	731191	39,680	Р		
Enterprise Products Operating, L.P. [Splitter III)	65258	06/03/08	731191	37,530	P		
Enterprise Products Operating, L.P. (Splitter III)	65260	06/03/08	731191	40,400	Ρ		
Enviro Solutions - Baytown	65402	06/03/08		45,870	Р		
Lubrizol-Deer Park	65072	06/03/08	Recycle	37,200	Р		
Select Environmental	65395	06/03/08	Recycle	50,040	Ρ		
T3 Energy Services - Cypress	65126	06/03/08	Recycle-Oily Water	23,352	Ρ		
Farouk Systems	65085	06/04/08	CESQ2192	41,700	P		
Houston Marine Services, Inc	65428	06/04/08	Recycle	35,862	Р		
Lubrizol-Deer Park	6507 6	06/04/08	Recycle	33,740	Ρ		
Lubrizol-Deer Park	65074	06/04/08	Recycle	34,380	Ρ		
Motiva Enterprises	65413	06/04/08		41,700	Р		
NOV Drilling Equipment (West Little York)	65299	06/04/08	Recycle	800	Р		
NOV Drilling Equipment (West Little York)	65299	06/04/08	Recycle	1,000	Р		
Profer Southwest	65319	06/04/08	Recycle	41,700	P		
Select Environmental	65403	06/04/08	Recycle	45,870	P		
Crescent Directional Drilling	65122	06/05/08	Recycle	20,850	P		
Enviro Solutions - Baytown	65500	06/05/08		50,040	P		
Enviro Solutions - Baytown Enviro Solutions - Baytown	65541	06/05/08		45,036	P		
Enviro Solutions - Baytown Enviro Solutions - Baytown	65547 65485	06/05/08 06/05/08		45,036	P		
KMTEX	65270	06/05/08	Recycle-Oily Water	50,040 33,900	P P		
KMTEX	65269	06/05/08	Recycle-Oily Water	41,920	P		
Select Environmental	65514	06/05/08	Recycle	45,870	P		
Farouk Systems	65086	06/06/08	CESQ2192	41,700	P		
Freedom Oil Recovery	65661	06/06/08	Recycle	16,680	P		
Freedom Oil Recovery	65688	06/06/08	Recycle	16,680	P		
Freedom Oil Recovery	65684	06/06/08	Recycle	21,684	Р		
Freedom Oil Recovery	65660	06/06/08	Recycle	21,684	P		
Lubrizol-Deer Park	65430	06/06/08	Recycle	31,740	P		
Select Environmental	6554 9	06/06/08	Recycle	45,870	P		
Select Environmental	65662	06/06/08	Recycle	41,700	P		
Freedom Oil Recovery	65697	06/07/08	Recycle	17,514	P		
IDM	65499	06/07/08	recycle	1,668	P		
IDM	65499	06/07/08	recycle	1,668	Р		
IDM	65499	06/07/08	recycle	1,668	P		
IDM	65499	06/07/08	recycle	1,668	P		
IDM	65499	06/07/08	recycle	1,668	P		
Enviro Solutions - Baytown	65746	06/09/08	•	54,210	P.		
Enviro Solutions - Baytown	65747	06/09/08		23,352	P		
Enviro Solutions - Baytown	65768	06/09/08		54,210	P		
Farouk Systems	65447	06/09/08	CESQ2192	41,700	P		
		-		-			

IDNA					
IDM IDM	65777	06/09/08	Recycle	700	P
IDM	65777	06/09/08	Recycle	700	P
IDM	65777	06/09/08	Recycle	700	Р
IDM	65777	06/09/08	Recycle	700	Р
	65777	06/09/08	Recycle	700	Р
MIC	65557	06/09/08	Recycle-Oily Water	28,439	P
NOV Drilling Equipment (West Little York)	65461	06/09/08	Recycle-Oily Water	20,850	Р
PGI International	65659	06/09/08	Recycle-Oily Water	20,850	Р
Proler Southwest	65539	06/09/08	Recycle	41,700	Р
Ethyl Corporation	6578 6	06/10/08	Recycle-Oily Water	50,140	Р
KMTEX	65734	06/10/08	Recycle-Oily Water	41,640	Р
Ameriforge Corporation	65761	06/11/08	Recycle-Oily Water	41,700	Р
Atlantic Industrial Services	65803	06/11/08	Recycle-Oily Water	42,951	Р
Dresser Flow	65741	06/11/08	Recycle-Coolant	40,032.00	Р
Enviro Solutions - Baytown	65916	06/11/08		50,040	Р
Farouk Systems	65448	06/11/08	CESQ2192	41,700	Р
Freedom Oil Recovery	65899	06/11/08	Recycle	15,179	Р
Proler Southwest	65825	06/11/08	Recycle	41,700	Р
Lubrizol-Deer Park	659 91	06/12/08	Recycle-H73	46,420	Р
Motiva Enterprises	66051	06/12/08		43,835	Р
Proler Southwest	65828	06/12/08	Recycle	43,368	Р
Enviro Solutions - Baytown	66138	06/13/08		50,040	Р
Enviro Solutions - Baytown	66092	06/13/08		49,206	P
Farouk Systems	65449	06/13/08	CESQ2192	41,700	Р
Phoenix Pollution Control	66148	06/13/08	Recycle	2,085	Р
Triangle Waste Solutions	66102	06/13/08	Recycle	8,340	P
Vetco Gray	65910	06/13/08	Recycle-Oily Water	41,700	Р
KMTEX	65981	06/16/08	Recycle-Oily Water	42,340	Р
KMTEX	65982	06/16/08	Recycle-Oily Water	37,860	Ρ
Enviro Solutions - Baytown	66255	06/17/08		54,210	Р
Enviro Solutions - Baytown	66260	06/17/08	Recycle	25,020	Р
Ethyl Corporation	66302	06/17/08	Recycle-Oily Water	43,960	Р
Proler Southwest	65827	06/17/08	Recycle	45,870	Р
Farouk Systems	65927	06/18/08	CESQ2192	41,700	P
Lubrizol-Deer Park	66180	06/18/08	00012051	33,120	P
Atlantic Industrial Services (Shreveport)	66313	06/19/08	Recycle-Oily Water	43,577	P
Enviro Solutions - Baytown	66474	06/19/08	Recycle	54,210	P
Enviro Solutions - Baytown	66517	06/19/08	Recycle	46,704	P
Proler Southwest	66285	06/19/08	Recycle	41,700	P
Proler Southwest	66284	06/19/08	Recycle	41,700	P
T3 Energy Services - Cypress	66235	06/19/08	Recycle-Oily Water	16,680	P
VAM-USA	66272	06/19/08	Recycle	800	P
VAM-USA	66173	06/19/08	Recycle-Oily Water	5,421	Р
Ameriforge Corporation	66505	06/20/08	Recycle-Oily Water	33,360	Р
Enviro Solutions - Baytown	66674	06/20/08	Recycle	18,348	P
Enviro Solutions - Baytown	66551	06/20/08	Recycle	3,753	P
Farouk Systems	65928	06/20/08	CESQ2192	41,700	P
Motiva Enterprises	66574	06/20/08		41,250	P
NOV Rig Solutions Sparesand Service	66383	06/20/08	Recycle	25,020	P
KMCO, Inc.	66579	06/21/08	Recycle-Oily Water	30,380	Р
Farouk Systems	66333	06/23/08	CESQ2192	17,556	P
Hutchinson-Hayes International, Inc.(East Belt)	66529	06/23/08	Recycle	20,850	P
Proler Southwest	66533	06/23/08	Recycle	41,700	P
Select Environmental	66609	06/23/08	Recycle	41,700	P
Select Environmental	66639	06/23/08	Recycle	41,700	P
Select Environmental	66583	06/23/08	Recycle	41,700	P
Atlantic Industrial Services	66721	06/24/08	Recycle-Oily Water	600	P
Burbank Barrel & Drum	66635	06/24/08	Recycle	33,360	Р
Enviro Solutions - Baytown	66669	06/24/08	Recycle	23,352	Р
Forged Vessel Connections, Inc.	66585	06/24/08	Recycle-Oily Water	12,510	P
Martin Transport	66700	06/24/08	Product	41,568	P
Martin Transport	66648	06/24/08	Recycle-good oil	52,000	r P
Proler Southwest	66671	06/24/08	Recycle	41,700	P
Proler Southwest	66670	06/24/08	Recycle		
Farouk Systems	66334	06/25/08		41,700	P
NOV Drilling Equipment (West Little York)	66698		CESQ2192	41,700	P
Phoenix Pollution Control		06/25/08	Recycle-Oily Water	16,680	P
Schlumberger Technology - IPC North	66818	06/25/08	Recycle	5,842	P
	66535	06/25/08	Recycle	16,680	P
Enviro Solutions - Baytown	66840	06/26/08	Recycle	23,352	Р

KMTEX KMTEX Lubrizol-Deer Park Motiva Enterprises NOV Drilling Equipment (Lockwood) Dresser Flow Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation Farouk Systems	66687 66688 66693 66874 66740 66854 67045 66835 66843 67032 67060 67111 67112 66761 67619 67064 66876 67118 67033	06/26/08 06/26/08 06/26/08 06/26/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle-Oily Water Recycle-Oily Water 00012051 Recycle Recycle Recycle-Coolant Recycle CESQ2192 Recycle 00282051 Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	42,400 39,920 32,140 43,802 16,680 41,700.00 15,846 41,700 38,340 28,000 25,020 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530 4,405,808	P P P P P P P P P P P P P P P P P P P		
Lubrizol-Deer Park Motiva Enterprises NOV Drilling Equipment (Lockwood) Dresser Flow Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66693 66873 66740 66854 67045 66335 66843 67032 67060 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/26/08 06/26/08 06/26/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle-Coolant Recycle CESQ2192 Recycle 00282051 Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	32,140 43,802 16,680 41,700.00 15,846 41,700 38,340 28,000 25,020 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
Motiva Enterprises NOV Drilling Equipment (Lockwood) Dresser Flow Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66873 66740 66854 67045 66335 66843 66838 67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/26/08 06/26/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle-Coolant Recycle CESQ2192 Recycle 00282051 Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	43,802 16,680 41,700.00 15,846 41,700 38,340 28,000 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
NOV Drilling Equipment (Lockwood) Dresser Flow Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66740 66854 67045 66335 66843 66838 67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/26/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle-Coolant Recycle CESQ2192 Recycle 00282051 Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	16,680 41,700.00 15,846 41,700 38,340 28,000 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
Dresser Flow Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66854 67045 66335 66843 66838 67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle-Coolant Recycle CESQ2192 Recycle 00282051 Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	41,700.00 15,846 41,700 38,340 28,000 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67045 66335 66843 66838 67032 67060 67109 66967 67111 67112 66769 67113 67004 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle CESQ2192 Recycle 00282051 Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	41,700.00 15,846 41,700 38,340 28,000 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66335 66843 66838 67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle CESQ2192 Recycle 00282051 Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	15,846 41,700 38,340 28,000 25,020 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
Farouk Systems Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66335 66843 66838 67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08	CESQ2192 Recycle 00282051 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	41,700 38,340 28,000 25,020 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
Lubrizol-Deer Park NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66843 66838 67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle 00282051 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	38,340 28,000 25,020 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P		
NuStar Terminals Partner TX L.P. Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66838 67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08	00282051 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	28,000 25,020 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P		
Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67032 67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P P P P P P P P P P P P P		
Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation Enviro Solutions - Baytown Ethyl Corporation	67060 67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P P		
Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67109 66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/27/08 06/28/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P P		
Phoenix Pollution Control Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66967 67111 67112 66769 67113 67100 67064 66876 67118 67033	06/27/08 06/27/08 06/27/08 06/27/08 06/28/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P		
Phoenix Pollution Control Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	67111 67112 66769 67113 67100 67064 66876 67118 67033 67201 67201 67165 66997	06/27/08 06/27/08 06/27/08 06/28/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P P		
Phoenix Pollution Control Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67112 66769 67113 67100 67064 66876 67118 67033 67201 67165 66997	06/27/08 06/27/08 06/28/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P		
Proler Southwest Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	66769 67113 67100 67064 66876 67118 67033 67201 67165 66997	06/27/08 06/28/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P		
Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66769 67113 67100 67064 66876 67118 67033 67201 67165 66997	06/27/08 06/28/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	41,700 25,020 1,751 50,680 41,700 5,004 37,530	P P P P		
Phoenix Pollution Control Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	67113 67100 67064 66876 67118 67033 67201 67165 66997	06/28/08 06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	25,020 1,751 50,680 41,700 5,004 37,530	P P P P		
Atlantic Industrial Services Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67100 67064 66876 67118 67033 67201 67165 66997	06/30/08 06/30/08 06/30/08 06/30/08 06/30/08	Recycle-Oily Water Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	1,751 50,680 41,700 5,004 37,530	P P P		
Ethyl Corporation Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	67064 66876 67118 67033 67201 67165 66997	06/30/08 06/30/08 06/30/08 06/30/08	Recycle-Oily Water CESQ2192 Recycle Recycle-Oily Water	50,680 41,700 5,004 37,530	P P P		
Farouk Systems Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	66876 67118 67033 67201 67165 66997	06/30/08 06/30/08 06/30/08 07/01/08	CESQ2192 Recycle Recycle-Oily Water	41,700 5,004 37,530	P P		
Freedom Oil Recovery Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67118 67033 67201 67165 66997	06/30/08 06/30/08 07/01/08	Recycle Recycle-Oily Water	5,004 37,530	Р		
Greens Bayou Pipe Mill, LP Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	67033 67201 67165 66997	06/30/08	Recycle-Oily Water	37,530			
Atlantic Industrial Services Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67201 67165 66997	07/01/08	, ,		Ρ		
Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67165 66997		Daniela O'l VIII	4,405,808			
Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	67165 66997		Daniela Oli Vici			550,726	G
Ethyl Corporation GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Ethyl Corporation	67165 66997		Describe 62 122 1				
GATX (Hearne) LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66997	07/01/08	Recycle-Oily Water	400	Р		
LeTourneau Technologies Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation			Recycle-Oily Water	46,200	Р		
Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation		07/01/08	Recycle	40,000	Р		
Lubrizol-Deer Park Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	0.000	07/01/08	Recycle-Oily Water	23,352	P		
Proler Southwest Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	66844	07/01/08	Recycle		, P		
Proler Southwest Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation			•	36,680			
Enviro Solutions - Baytown Enviro Solutions - Baytown Ethyl Corporation	67067	07/01/08	Recycle	41,700	P		
Enviro Solutions - Baytown Ethyl Corporation	67068	07/01/08	Recycle	41,700	Р		
Ethyl Corporation	67285	07/02/08	Recycle	47,988	Р		
	67308	07/02/08	Recycle	47,138	Р		
Farouk Systems	67310	07/02/08	Recycle-Oily Water	51,240	P		
, aroun systems	66877	07/02/08	CESQ2192	41,700	Р		
GSF Energy, LLC	67141	07/02/08	Recycle	25,020	P		
GSF Energy, LLC	67236	07/02/08	Recycle	13,344	Р		
Select Environmental	67287	07/02/08	Recycle	41,700	Р		
Enviro Solutions - Baytown	67366	07/03/08	Recycle	48,380	P		
Enviro Solutions - Baytown	67324	07/03/08	Recycle	17,514	P		
Enviro Solutions - Baytown	67328						
Proler Southwest		07/03/08	Recycle	46,420	P		
	67296	07/03/08	Recycle	41,700	Р		
Proler Southwest	67069	07/03/08	Recycle	45,870	Р		
Select Environmental	67353	07/03/08	Recycle	45,870	Р		
Select Environmental	67323	07/03/08	Recycle	41,700	P		
Enviro Solutions - Baytown	67575	07/07/08	Recycle	55,878	₽		
Farouk Systems	67248	07/07/08	CESQ2192	33,360	P		
Lubrizol-Deer Park	67370	07/07/08	Recycle	41,680	Р		
NOV Rig Solutions Sparesand Service	67237	07/07/08	Recycle	25,020	P		
NuStar Terminals Partner TX L.P.	67602	07/07/08	00282051	45,870	Р		
Proler Southwest	67527	07/07/08	Recycle		P		
			•	44,202			
Burbank Barrel & Drum	67501	07/08/08	Recycle	41,700	Р		
Enviro Solutions - Baytown	67624	07/08/08	Recycle	50,040	Р		
Lubrizol-Deer Park	67371	07/08/08	Recycle	39,300	Р		
Motiva Enterprises	67631	07/08/08		5,830	₽		
Proler Southwest	67528	07/08/08	Recycle	41,700	P		
Select Environmental	67622	07/08/08	Recycle	45,870	Р		
Select Environmental	67639	07/08/08	Recycle	41,700	P		
Select Environmental	67603	07/08/08	Recycle	46,704	P		
Atlantic Industrial Services	67694	07/09/08	Recycle-Oily Water	4,587	P		
Farouk Systems	67249	07/09/08	CESQ2192	37,530	P		
KMTEX	67589	07/09/08	Recycle-Oily Water	35,240	P		
KMTEX	67590	07/09/08	Recycle-Oily Water	39,780	P		
Lubrizol-Deer Park	67686	07/10/08	Recycle	33,360	Р		
Lubrizol-Deer Park	67685	07/10/08	Recycle	35,540	Р		
Lubrizol-Deer Park	67386	07/10/08	Recycle	42,560	P		
Lubrizol-Deer Park	67383	07/10/08	Recycle	39,240	Р		
NOV Drilling Equipment (West Little York)	67698	07/10/08		,	,		

NOV Drilling Equipment (West Little York)	67750	07/10/08	recycle	6,320	Р
NOV Drilling Equipment (West Little York)	67698	07/10/08	Recycle	3,000	P
Proler Southwest	67696	07/10/08	Recycle	41,700	Р
Proler Southwest	67697	07/10/08	Recycle	41,700	P
Select Environmental	67818	07/10/08	Recycle	41,700	Р
Enviro Solutions - Baytown	67995	07/11/08	Recycle	45,870	Р
Enviro Solutions - Baytown	67965	07/11/08	Recycle	48,372	Р
Enviro Solutions - Baytown	68004	07/11/08	Recycle	45,870	P
Enviro Solutions - Baytown	68003	07/11/08	Recycle	43,785	Р
Farouk Systems	67250	07/11/08	CESQ2192	33,360	Р
KMTEX	67592	07/11/08	Recycle-Oily Water	49,700	P
Lubrizol-Deer Park	67385	07/11/08	Recycle	40,180	Р
Proler Southwest	67795	07/12/08	Recycle	45,870	Р
Enviro Solutions - Baytown	68059	07/14/08	Recycle	54,210	P
Enviro Solutions - Baytown	68081	07/14/08	Recycle	58,380	Р
Ethyl Corporation	68039	07/14/08	Recycle-Oily Water	48,060	Р
Green Hunter Biofuels	68061	07/14/08	Recycle - Oily Water	25,020	P
NuStar Terminals Partner TX L.P.	6787 3	07/14/08	00282051	45,870	Р
Select Environmental	68034	07/14/08	Recycle	41,700	Р
Ameriforge Corporation	68090	07/15/08	Recycle-Oily Water	45,870	Р
Enviro Solutions - Baytown	68123	07/15/08	Recycle	54,210	Р
Enviro Solutions - Baytown	68145	07/15/08	Recycle	20,850	Р
Enviro Solutions - Baytown	68144	07/15/08	Recycle	24,186	₽
Farouk Systems	6780 8	07/15/08	CESQ2192	41,700	Р
Hutchinson-Hayes International, Inc.(East Belt)	68102	07/15/08	Recycle	41,700	Р
NOV Drilling Equipment (Lockwood)	68048	07/15/08	Recycle	10,842	P
Proler Southwest	68011	07/15/08	Recycle	45,870	Р
T3 Energy Services - Cypress	68012	07/15/08	Recycle-Oily Water	25,020	Р
Enviro Solutions - Baytown	68175	07/16/08	Recycle	24,186	Р
KMCO, Inc.	68119	07/16/08	Recycle-Oily Water	43,020	Р
KMCO, Inc.	6812 0	07/16/08	Recycle-Oily Water	41,200	Р
Lubrizol-Deer Park	68076	07/16/08	Recycle	37,440	P
Proler Southwest	6807 9	07/16/08	Recycle	41,700	Р
Select Environmental	68162	07/16/08	Recycle	45,036	Р
Enviro Solutions - Baytown	68393	07/17/08	Recycle	16,680	Р
Enviro Solutions - Baytown	68392	07/17/08	Recycle	25,020	Р
Lubrizol-Deer Park	68077	07/17/08	Recycle	33,240	Р
Burbank Barrel & Drum	68098	07/18/08	Recycle	41,700	Р
Farouk Systems	67809	07/18/08	CESQ2192	41,700	Р
Lubrizol-Deer Park	68401	07/18/08	00012051	36,220	Р
Lubrizol-Deer Park	6820 8	07/18/08	Recycle	33,560	Р
Lubrizol-Deer Park	6820 9	07/18/08	Recycle	34,860	Р
Motiva Enterprises	68472	07/18/08		46,837	Р
PGI International	68341	07/18/08	Recycle-Oily Water	25,020	P
Proler Southwest	68146	07/18/08	Recycle	41,700	P
VAM-USA	68205	07/18/08	Recycle-Oily Water	7,506	P
Proler Southwest	68453	07/21/08	Recycle	41,700	P
Select Environmental	68485	07/21/08	Recycle	45,870	Р
Century Asphalt (Rosenberg)	68567	07/22/08	Recycle	41,700	Р
Farouk Systems	68262	07/22/08	CESQ2192	41,700	P
MIC	68520	07/22/08	Recycle-Oily Water	25,020	P
NOV Drilling Equipment (West Little York)	68476	07/22/08	Recycle-Oily Water	14,178	P
Ameriforge Corporation	6856 9	07/23/08	Recycle-Oily Water	37,530	P
Houston Marine Services, Inc	68672	07/23/08	Recycle	38,700	P
KMTEX KMTEX	68603	07/23/08	Recycle-Oily Water	344,598	Р
	68601	07/23/08	Recycle-Oily Water	44,060	P
Lubrizol-Deer Park Lubrizol-Deer Park	68610 68580	07/23/08	Recycle	27, 6 40	P
		07/23/08	Recycle	46,260	P
Lubrizol-Deer Park	68612	07/23/08	Recycle	27,720	Р
Atlantic Industrial Services	68814	07/24/08	Recycle-Oily Water	600	P
Enviro Solutions - Baytown	68800	07/24/08	Recycle	25,020	P
KMTEX	68604	07/24/08	Recycle-Oily Water	39,020	Р
KMTEX	68602	07/24/08	Recycle-Oily Water	34,020	Р
Lubrizol-Deer Park	68579	07/24/08	Recycle	32,120	P
Lubrizol-Deer Park	68613	07/24/08	Recycle	29,140	P
Lubrizol-Deer Park	68611	07/24/08	Recycle	38,160	Р
Lubrizol-Deer Park	68614	07/24/08	Recycle	30,460	Р
Lubrizol-Deer Park Projet Southwest	68792	07/24/08	Recycle-H73	47,340	P
Proler Southwest	68655	07/24/08	Recycle	41,700	Р

Select Environmental	68806	07/24/08	Recycle	41,700	P		
Dresser Flow	68706	07/25/08	Recycle-Coolant	41,700.00	P		
Farouk Systems	68263	07/25/08	CESQ2192	41,700	P		
Lubrizol-Deer Park	68615	07/25/08	Recycle	29,060	P		
Lubrizol-Deer Park	68616	07/25/08	Recycle	37,600	P		
Proler Southwest	68657	07/25/08	Recycle	41,700	P		
Proler Southwest	68656	07/25/08	Recycle	41,700	P		
Canrig	68839	07/26/08	Recycle	41,700	Р		
Canrig	68840	07/26/08	recycle	23,352	Р		
NOV Rig Solutions Sparesand Service	68871	07/26/08	Recycle	21,684	P		
Ameriforge Corporation	68982	07/28/08	Recycle-Oily Water	41,560	P		
Atlantic Industrial Services	69047	07/28/08	Recycle-Oily Water	15,462	P		
Atlantic Industrial Services	69045	07/28/08	Recycle-Oily Water	20,616	P		
Enviro Solutions - Baytown	69015	07/28/08	Recycle	23,352	P		
Farouk Systems	68944	07/28/08	CESQ2192	41,700	P		
Forged Vessel Connections, Inc. Lubrizol-Deer Park	68959	07/28/08	Recycle-Oily Water	2,085	P		
Lubrizol-Deer Park	69048	07/28/08	Recycle	23,920	P		
Ameriforge Corporation	68897	07/28/08	Recycle	30,740	P		
Enviro Solutions - Baytown	68998	07/29/08	Recycle-Oily Water	45,870	P		
Enviro Solutions - Baytown	69164 69238	07/29/08	Recycle	46,704	P		
Enviro Solutions - Baytown	69251	07/29/08 07/29/08	Recycle Recycle	45,870	P P		
Enviro Solutions - Baytown	69252	07/29/08	Recycle	46,704 50,040	P		
Farouk Systems	68692	07/29/08	CESQ2192		P		
Houston Marine Services, Inc	69239	07/29/08	Recycle	41,700 35,862	r P		
Lubrizol-Deer Park	68901	07/29/08	Recycle	28,660	P		
Lubrizol-Deer Park	68909	07/29/08	Recycle	30,220	P		
Lubrizof-Deer Park	68908	07/29/08	Recycle	32,040	P		
Motiva Enterprises	69253	07/29/08	,	45,470	Р		
Ameriforge Corporation	68994	07/30/08	Recycle-Oily Water	37,530	P		
Enviro Solutions - Baytown	69297	07/30/08	Recycle	35,862	P		
Lubrizol-Deer Park	68903	07/30/08	Recycle	37,800	Р		
Lubrizol-Deer Park	68902	07/30/08	Recycle	41,800	Р		
Lubrizol-Deer Park	68911	07/30/08	Recycle	39,860	Р		
Lubrizol-Deer Park	68910	07/30/08	Recycle	43,320	Р		
NOV Drilling Equipment (West Little York)	69038	07/30/08	Recycle	1,000	Р		
Proier Southwest	69046	07/30/08	Recycle	50,040	Р		
Enviro Solutions - Baytown	69407	07/31/08	Recycle	50,040	Р		
Lubrizol-Deer Park	69159	07/31/08	Recycle	36,300	Р		
Lubrizol-Deer Park	69160	07/31/08	Recycle	45,200	P		
Lubrizol-Deer Park	68904	07/31/08	Recycle	47,320	Р		
Lubrizol-Deer Park	68 9 05	07/31/08	Recycle	41,980	Ρ		
Lubrizol-Deer Park	68913	07/31/08			•		
Lubrizol-Deer Park		0.751700	Recycle	37,680	P		
	68912	07/31/08	Recycle Recycle	37,680 45,320			
Trinity Railcar Repair, Inc. (Plant #4117)	68912 69055				P		
Trinity Railcar Repair, Inc. (Plant #4117)		07/31/08	Recycle	45,320	P P	753,764	G
	69055	07/31/08 07/31/08	Recycle Recycle	45,320 33,360 6,030,111	P P	753,764	G
Enviro Solutions - Baytown	69055 69497	07/31/08 07/31/08 08/01/08	Recycle Recycle	45,320 33,360 6,030,111 46,704	P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown	69055 69497 69439	07/31/08 07/31/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704	P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown	69055 69497 69439 69435	07/31/08 07/31/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870	P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems	69055 69497 69439 69435 68693	07/31/08 07/31/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368	P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189	07/31/08 07/31/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420	P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906	07/31/08 07/31/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300	P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906 69190	07/31/08 07/31/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940	P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906 69190 68907	07/31/08 07/31/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906 69190 68907 68916	07/31/08 07/31/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906 69190 68907 68916	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia)	69055 69497 69439 69435 68693 69189 68906 69190 68907 68914 69272	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906 69190 68907 68914 69272 69470	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental	69055 69497 69439 69435 68693 69189 68906 69190 68907 68914 69272 69470 69441	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental Select Environmental	69055 69497 69439 69435 68693 69189 68906 69190 68914 69272 69470 69441 69451	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental	69055 69497 69439 69435 68693 69189 68906 69190 68914 69272 69470 69441 69451 69458	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle	45,320 33,360 6,030,111 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental Select Environmental Select Environmental Select Environmental Select Environmental	69055 69497 69439 69435 68693 69189 68906 69190 68914 69272 69470 69441 69451 69458 69273	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870 25,020	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental Select Environmental Select Environmental	69055 69497 69439 69435 68693 69189 68906 69190 68914 69272 69470 69441 69451 69458 69273 69511	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle	45,320 33,360 6,030,111 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870 25,020 45,870	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental Select Environmental Select Environmental Select Environmental T3 Energy Services - Cypress Enviro Solutions - Baytown	69055 69497 69439 69435 68693 69189 68906 69190 68914 69272 69470 69441 69451 69458 69273	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870 25,020 45,870 33,160	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental Select Environmental Select Environmental T3 Energy Services - Cypress Enviro Solutions - Baytown Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906 69190 68914 69272 69470 69441 69451 69458 69273 69511 69191	08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08 08/01/08	Recycle Recycle Recycle Recycle Recycle Recycle CESQ2192 Recycle	45,320 33,360 6,030,111 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870 25,020 45,870	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental Select Environmental Select Environmental T3 Energy Services - Cypress Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69190 68907 68914 69272 69470 69441 69451 69458 69273 69511 69191	08/01/08 08/01/08	Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870 25,020 45,870 33,160 34,620	P P P P P P P P P P P P P P P P P P P	753,764	G
Enviro Solutions - Baytown Enviro Solutions - Baytown Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park NOV (Magnolia) Select Environmental Select Environmental Select Environmental T3 Energy Services - Cypress Enviro Solutions - Baytown Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	69055 69497 69439 69435 68693 69189 68906 69190 68914 69272 69470 69441 69451 69458 69273 69511 69191 69192	07/31/08 07/31/08 07/31/08 08/01/08	Recycle Recycle	45,320 33,360 6,030,111 46,704 46,704 45,870 43,368 25,420 45,300 36,940 42,480 37,920 36,780 20,850 50,040 48,372 45,870 25,020 45,870 33,160 34,620 34,320	P P P P P P P P P P P P P P P P P P P	753,764	G

Proler Southwest	69510	08/02/08	Recycle	41,700	Р
Proler Southwest	69509	08/02/08	Recycle	41,700	P
Atlantic Industrial Services	69528	08/04/08	Recycle-Oily Water	900	Р
Enviro Solutions - Baytown	69522	08/04/08	Recycle	46,704	Р
Enviro Solutions - Baytown	69568	08/04/08	Recycle	46,704	P
Lubrizol-Deer Park	69227	08/04/08	Recycle	43,400	₽
Lubrizol-Deer Park	69221	08/04/08	Recycle	43,720	Р
Lubrizol-Deer Park	6920 9	08/04/08	Recycle	36, 9 60	Р
Lubrizol-Deer Park	69215	08/04/08	Recycle	47,700	Р
NuStar Terminals Partner TX L.P.	69298	08/04/08	00282051	41,700	P
Select Environmental	69518	08/04/08	Recycle	45,870	P
KMTEX KMTEX	69552	08/05/08	Recycle-Oily Water	45,000	P
Proler Southwest	69550 69558	08/05/08	Recycle-Oily Water	45,000	P
Proler Southwest	69560	08/05/08 08/05/08	Recycle	41,700	P
Proler Southwest	69527	08/05/08	Recycle Recycle	41,700 41,700	P P
Select Environmental	69599	08/05/08	Recycle	45,870	P
Select Environmental	69609	08/05/08	Recycle	45,870	, P
Commercial Metals	69556	08/06/08	Recycle-Oily Water	41,700	p
Commercial Metals	69555	08/06/08	Recycle-Oily Water	41,700	Р
Enviro Solutions - Baytown	69697	08/06/08	Recycle	54,210	P
Enviro Solutions - Baytown	69731	08/06/08	Recycle	52,542	Р
KMTEX	69551	08/06/08	Recycle-Oily Water	40,420	Р
Lubrizol-Deer Park	69229	08/06/08	Recycle	38,040	Р
Lubrizol-Deer Park	69311	08/06/08	Recycle	43,020	Р
Lubrizol-Deer Park	69312	08/06/08	Recycle	39,500	P
Lubrizol-Deer Park	69211	08/06/08	Recycle	32,340	Р
Proler Southwest	69559	08/06/08	Recycle	42,534	Р
Proler Southwest	69682	08/06/08	Recycle	41,700	Р
Affordable Environmental Services	69814	08/07/08	Recycle	22,935	P
Ameriforge Corporation Commercial Metals	69681	08/07/08	Recycle-Oily Water	43,368	P
Farouk Systems	69790 69185	08/07/08	Recycle-Oily Water	41,700	P P
KMCO, Inc.	69607	08/07/08 08/07/08	CESQ2192 Recycle-Slop Oil	5,000 8,600	P
Lubrizol-Deer Park	69788	08/07/08	00012051	31,980	P
Proler Southwest	69683	08/07/08	Recycle	41,700	P
Proler Southwest	69737	08/07/08	Recycle	45,870	Р
Proler Southwest	69684	08/07/08	Recycle	41,700	P
Select Environmental	69785	08/07/08	Recycle	45,870	Р
Commercial Metals	69791	08/08/08	Recycle-Oily Water	42,960	P
Commercial Metals	69838	08/08/08	Recycle-Oily Water	45,870	Ρ
Farouk Systems	69186	08/08/08	CESQ2192	41,700	Р
IDM	69805	08/08/08	recycle	6,672	Ρ
IDM	69805	08/08/08	recycle	6,672	Р
IDM	69805	08/08/08	recycle	6,672	Р
IDM	69805	08/08/08	recycle	6,672	P
IDM Lubrizol-Deer Park	69805 69685	08/08/08 08/08/08	recycle Recycle	6,672	P P
Motiva Enterprises	69895	08/08/08	Recycle	4,620 46,037	P
NOV Drilling Equipment (West Little York)	69689	08/08/08	Recycle-Oily Water	25,020	P
Burbank Barrel & Drum	69870	08/11/08	Recycle	48,780	Р
Enviro Solutions - Baytown	69995	08/11/08	Recycle	46,704	P
Enviro Solutions - Baytown	70002	08/11/08	Recycle	35,862	Р
Enviro Solutions - Baytown	69954	08/11/08	Recycle	47,538	Р
Enviro Solutions - Baytown	69950	08/11/08	Recycle	46,704	Р
Lubrizol-Deer Park	69885	08/11/08	00012051	39,940	Ρ
Lubrizol-Deer Park	69796	08/11/08	Recycle	36,440	Р
Lubrizol-Deer Park	697 9 5	08/11/08	Recycle	240	Р
Lubrizol-Deer Park	69918	08/11/08	Recycle	34,320	Р
Proler Southwest	69854	08/11/08	Recycle	41,700	P
Enviro Solutions - Baytown	70081	08/12/08	Recycle	45,870	P
Enviro Solutions - Baytown	70035	08/12/08	Recycle	44,202	P
Enviro Solutions - Baytown	70064	08/12/08	Recycle	27,063	P
Enviro Solutions - Baytown Farouk Systems	70065 69615	08/12/08 08/12/08	Recycle CESQ2192	31,492 45,870	P P
Lubrizol-Deer Park	69657	08/12/08	Recycle	43,870	P
Lubrizol-Deer Park	69652	08/12/08	Recycle	36,320	P
Lubrizol-Deer Park	69642	08/12/08	Recycle	36,560	P
Lubrizol-Deer Park	69662	08/12/08	Recycle	32,380	, P
		*			

Proler Southwest	69768	08/12/08	Recycle	41,700	Р
Proler Southwest	69921	08/12/08	Recycle	45,870	P
Enviro Solutions - Baytown	70129	08/13/08	Recycle	46,704	Р
Enviro Solutions - Baytown	70118	08/13/08	Recycle	5,700	P
Enviro Solutions - Baytown	70098	08/13/08	Recycle	5,600	P
Enviro Solutions - Baytown	70148	08/13/08	Recycle	47,538	Р
Lubrizol-Deer Park	69658	08/13/08	Recycle	41,760	Ρ
Lubrizol-Deer Park	69668	08/13/08	Recycle	31,900	₽
Lubrizol-Deer Park	69653	08/13/08	Recycle	42,400	P ·
Motiva Enterprises	70130	08/13/08		45,595	P
Proler Southwest	69958	08/13/08	Recycle	4,125	P
Proler Southwest	69959	08/13/08	Recycle	41,750	Р
Proler Southwest	69960	08/13/08	Recycle	41,700	P
VAM-USA	69875	08/13/08	Recycle-Oily Water	6,672	Р
Enviro Solutions - Baytown	70335	08/14/08	Recycle	37,530	P
Enviro Solutions - Baytown	70281	08/14/08	Recycle	40,032	Р
Enviro Solutions - Baytown	70208	08/14/08	Recycle	46,704	Р
Hutchinson-Hayes International, Inc.(East Belt) KMTEX	70111	08/14/08	Recycle	41,750	Р
Lubrizol-Deer Park	70497	08/14/08	Recycle-Oily Water	38,880	Р
Lubrizol-Deer Park	69649	08/14/08	Recycle	34,900	P
Lubrizol-Deer Park	69664	08/14/08	Recycle	43,820	P
Lubrizol-Deer Park	69659 69654	08/14/08	Recycle	42,460	P
Dresser Flow	70051	08/14/08	Recycle	42,240	P
Enviro Solutions - Baytown	70379	08/15/08	Recycle-Coolant	32,026.00	P
Enviro Solutions - Baytown	70352	08/15/08 08/15/08	Recycle	47,538	P
Farouk Systems	69616	08/15/08	Recycle CESQ2192	47,538	P
Lubrizol-Deer Park	69670	08/15/08	Recycle	50,040	P P
Proler Southwest	70150	08/15/08	Recycle	38,780 41,700	P
Lubrizol-Deer Park	69666	08/15/08	Recycle	44,060	P
Enviro Solutions - Baytown	70580	08/18/08	Recycle	47,538	P
Lubrizol-Deer Park	70278	08/18/08	Recycle	41,280	r P
Lubrizol-Deer Park	70180	08/18/08	Recycle	42,020	Р
Lubrizol-Deer Park	70179	08/18/08	recycle	45,020	Р
Select Environmental	70445	08/18/08	Recycle	45,870	P
Select Environmental	70399	08/18/08	Recycle	45,870	Р
Enviro Solutions - Baytown	70543	08/19/08	Recycle	48,439	P
Enviro Solutions - Baytown	70541	08/19/08	Recycle	47,538	Р
Enviro Solutions - Baytown	70542	08/19/08	Recycle	47,538	Р
Farouk Systems	70245	08/19/08	CESQ2192	41,700	Р
Koch Heat Transfer Company, LP	70366	08/19/08	Recycle-Oily Water	15,012	P
Lubrizol-Deer Park	70491	08/19/08	Recycle	45,020	Р
Lubrizol-Deer Park	70490	08/19/08	Recycle	38,380	Р
Proler Southwest	70517	08/19/08	Recycle	41,700	₽
Commercial Metals	70599	08/20/08	Recycle-Oily Water	41,700	Р
Enviro Solutions - Baytown	70632	08/20/08	Recycle	47,538	P
Enviro Solutions - Baytown	70421	08/20/08	Recycle	47,538	Р
Enviro Solutions - Baytown	70589	08/20/08	Recycle	23,352	P
Enviro Solutions - Baytown Enviro Solutions - Baytown	70596 70677	08/20/08	Recycle	47,538	P
Enviro Solutions - Baytown Enviro Solutions - Baytown		08/20/08	Recycle	47,538	P
KMTEX	70607 70585	08/20/08 08/20/08	Recycle	23,352	P
KMTEX	70584	08/20/08	Recycle-Oily Water Recycle-Oily Water	42,700	P
Lubrizol-Deer Park	70455	08/20/08	Recycle-Oily Water	41,940 37,440	P P
Lubrizol-Deer Park	70459	08/20/08	Recycle	37,440	P
NOV Drilling Equipment (Lockwood)	70519	08/20/08	Recycle	16,680	P
NOV Drilling Equipment (West Little York)	70359	08/20/08	Recycle	7,500	P
NOV Drilling Equipment (West Little York)	70359	08/20/08	Recycle	1,200	P
NOV Rig Solutions Sparesand Service	70423	08/20/08	Recycle	23,352	P
PGI International	70476	08/20/08	Recycle-Oily Water	25,020	P
Proler Southwest	70513	08/20/08	Recycle Ony Water	50,040	P
Proler Southwest	70514	08/20/08	Recycle	50,040	P
Proler Southwest	70515	08/20/08	Recycle	50,100	P
Ameriforge Corporation	70526	08/21/08	Recycle-Oily Water	41,700	P
Atlantic Industrial Services	70743	08/21/08	Recycle-Oily Water	50,073	P
Commercial Metals	70606	08/21/08	Recycle-Oily Water	41,700	P
Enviro Solutions - Baytown	70774	08/21/08	Recycle	44,202	P
Enviro Solutions - Baytown	70798	08/21/08	Recycle	47,538	P
Enviro Solutions - Baytown	70756	08/21/08	Recycle	47,538	P

Enviro Solutions - Baytown	70808	08/21/08	Recycle	47,538	Р	
Enviro Solutions - Baytown	70762	08/21/08	Recycle	47,538	Р	
LeTourneau Technologies	70660	08/21/08	Recycle-Oily Water	25,020	P	
Lubrizol-Deer Park	70579	08/21/08	00012051	38,540	Р	
NOV Drilling Equipment (West Little York)	70573	08/21/08	Recycle-Oily Water	12,510	Р	
Profes Southwest	70520	08/21/08	Recycle	41,700	Р	
Proler Southwest Proler Southwest	70521	08/21/08	Recycle	41,700	Р	
Select Environmental	70516	08/21/08	Recycle	45,870	P	
Commercial Metals	7073 7 70 824	08/21/08	Recycle	45,870	P	
Commercial Metals	70784	08/22/08 08/22/08	Recycle-Oily Water Recycle-Oily Water	450,360 41,700	P P	
Enviro Solutions - Baytown	70704	08/22/08	Recycle	47,538	P	
Enviro Solutions - Baytown	70826	08/22/08	Recycle	23,769	P	
Farouk Systems	70246	08/22/08	CESQ2192	41,700	P	
Forged Vessel Connections, Inc.	70823	08/22/08	Recycle-Oily Water	12,510	Р	
Proier Southwest	70802	08/22/08	Recycle	41,700	P	
Proler Southwest	70803	08/22/08	Recycle	41,700	Р	
Proler Southwest	70856	08/23/08	Recycle	41,700	Р	
Enviro Solutions - Baytown	70948	08/25/08	Recycle	23,352	Р	
Lubrizol-Deer Park	70699	08/25/08	Recycle	39,920	P	
Lubrizol-Deer Park	70705	08/25/08	Recycle	38,760	Р	
Proler Southwest	7085 8	08/25/08	Recycle	41,700	Ρ	
T3 Energy Services - Cypress	70849	08/25/08	Recycle-Oily Water	16,680	Р	
Burbank Barrel & Drum	70894	08/26/08	Recycle	41,700	P	
Enterprise Products-Wharton Station	70904	08/26/08	Recycle	12,510	P	
Enviro Solutions - Baytown	71021	08/26/08	Recycle	20,850	Р	
Farouk Systems	70655	08/26/08	CESQ2192	43,368	Р	
Lubrizol-Deer Park Lubrizol-Deer Park	70700	08/26/08	Recycle	42,540	Р	
Martin Transport	70900	08/26/08	Recycle	39,600	P	
Proler Southwest	71002 70860	08/26/08	Recycle	25,020	P	
Proler Southwest	70859	08/26/08 08/26/08	Recycle Recycle	41,700 41,700	P P	
Enviro Solutions - Baytown	71054	08/27/08	Recycle	41,700	r P	
Enviro Solutions - Baytown	71055	08/27/08	Recycle	33,360	P	
Lubrizol-Deer Park	70925	08/27/08	recycle	34,780	P	
Lubrizol-Deer Park	70926	08/27/08	recycle	34,720	P	
Lubrizol-Deer Park	7070 1	08/27/08	Recycle	42,420	P	
Lubrizol-Deer Park	70707	08/27/08	Recycle	36,800	Р	
Proler Southwest	70857	08/27/08	Recycle	41,700	Р	
Lubrizol-Deer Park	70927	08/28/08	recycle	39,320	Р	
Lubrizol-Deer Park	70928	08/28/08	recycle	33,480	P	
Lubrizol-Deer Park	70702	08/28/08	Recycle	72,300	Р	
		00/10/00				
MIC	70995	08/28/08	Recycle-Oily Water	26,646	P	
Proler Southwest	71075	08/28/08	Recycle	41,700	P	
Proler Southwest Enviro Solutions - Baytown	71075 71240	08/28/08 08/29/08	Recycle Recycle	41,700 10,008	P P	
Proler Southwest Enviro Solutions - Baytown Farouk Systems	71075 71240 70656	08/28/08 08/29/08 08/29/08	Recycle Recycle CESQ2192	41,700 10,008 41,700	P P P	
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park	71075 71240 70656 70930	08/28/08 08/29/08 08/29/08 08/29/08	Recycle Recycle CESQ2192 recycle	41,700 10,008 41,700 41,960	P P P	
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park	71075 71240 70656 70930 70929	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08	Recycle Recycle CESQ2192 recycle recycle	41,700 10,008 41,700 41,960 44,220	P P P P	
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park	71075 71240 70656 70930 70929 70931	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08 08/30/08	Recycle Recycle CESQ2192 recycle recycle 00012051	41,700 10,008 41,700 41,960 44,220 42,680	P P P P	
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	71075 71240 70656 70930 70929	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08	Recycle Recycle CESQ2192 recycle recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870	P P P P	1.036 485 - 6
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	71075 71240 70656 70930 70929 70931	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08 08/30/08	Recycle Recycle CESQ2192 recycle recycle 00012051	41,700 10,008 41,700 41,960 44,220 42,680	P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park	71075 71240 70656 70930 70929 70931	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08 08/30/08	Recycle Recycle CESQ2192 recycle recycle 00012051	41,700 10,008 41,700 41,960 44,220 42,680 45,870	P P P P	1,036,485 G
Proier Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proier Southwest	71075 71240 70656 70930 70929 70931 71222	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880	P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest	71075 71240 70656 70930 70929 70931 71222	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880	P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park	71075 71240 70656 70930 70929 70931 71222 71163 71108	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 32,140	P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225	08/28/08 08/29/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 32,140 41,700	P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 71223 71347 71390	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/03/08 09/04/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 32,140 41,700 41,700	P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 71223 71347 71390 71508	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/03/08 09/04/08 09/04/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 32,140 41,700 41,700 45,870 2,502 22,518	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 71223 71347 71390 71508 71402	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 32,140 41,700 41,700 45,870 2,502 22,518 13,844	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 71223 71347 71390 71508 71402 71115	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Round Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Round Recycle Recycle Recycle Recycle Recycle Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 32,140 41,700 41,700 45,870 2,502 22,518 13,844 38,180	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park Lubrizol-Deer Park	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 7123 71347 71390 71508 71402 71115 71119	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Round Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Round Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Round Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 41,700 41,700 45,870 2,502 22,518 13,844 38,180 36,900	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 7123 71347 71390 71508 71402 71115 71119 71312	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 41,700 41,700 45,870 2,502 22,518 13,844 38,180 36,900 41,700	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Atlantic Industrial Services	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 71347 71390 71508 71402 71115 71119 71312 71671	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 41,700 41,700 45,870 2,502 22,518 13,844 38,180 36,900 41,700 400	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Atlantic Industrial Services Dresser Flow	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 7123 71347 71390 71508 71402 71115 71119 71312 71671 71513	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/05/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle-Oily Water	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 41,700 41,700 45,870 2,502 22,518 13,844 38,180 36,900 41,700 400 41,700,00	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Atlantic Industrial Services Dresser Flow Farouk Systems	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 7123 71347 71390 71508 71402 71115 71119 71312 71671 71513 71164	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/05/08 09/05/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Recycle-Oily Water recycle Recycle-Oily Water 00012051 Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 41,700 41,700 45,870 2,502 22,518 13,844 38,180 36,900 41,700 400 41,700,00 41,700,00	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Atlantic Industrial Services Dresser Flow Farouk Systems Forged Vessel Connections, Inc.	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 7123 71347 71390 71508 71402 71115 71119 71312 71671 71513 71164 71503	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/05/08 09/05/08 09/05/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Recycle-Oily Water recycle Recycle-Oily Water 00012051 Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192 Recycle-Oily Water Recycle Recycle-Oily Water Recycle Recycle-Oily Water Recycle-Oily Water Recycle-Oily Water	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 41,700 41,700 45,870 2,502 22,518 13,844 38,180 36,900 41,700 400 41,700,00 41,700,00 9,174	P P P P P P P P P P P P P P P P P P P	1,036,485 G
Proler Southwest Enviro Solutions - Baytown Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Farouk Systems Lubrizol-Deer Park Proler Southwest Proler Southwest Ameriforge Corporation Canrig Enviro Solutions - Baytown Forged Products Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Atlantic Industrial Services Dresser Flow Farouk Systems	71075 71240 70656 70930 70929 70931 71222 71163 71108 71225 7123 71347 71390 71508 71402 71115 71119 71312 71671 71513 71164	08/28/08 08/29/08 08/29/08 08/29/08 08/30/08 08/30/08 08/30/08 09/02/08 09/02/08 09/02/08 09/02/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/04/08 09/05/08 09/05/08	Recycle Recycle CESQ2192 recycle recycle 00012051 Recycle CESQ2192 00012051 Recycle Recycle-Oily Water recycle Recycle-Oily Water 00012051 Recycle Recycle-Oily Water CESQ2192 Recycle-Oily Water CESQ2192	41,700 10,008 41,700 41,960 44,220 42,680 45,870 8,291,880 41,700 41,700 41,700 45,870 2,502 22,518 13,844 38,180 36,900 41,700 400 41,700,00 41,700,00	P P P P P P P P P P P P P P P P P P P	1,036,485 G

Lubrizol-Deer Park	71631	09/06/08	00012051	38,960	Р
Proler Southwest	71605	09/06/08	Recycle	41,700	Р
Proler Southwest	71711	09/06/08	Recycle	41,700	Р
Enviro Solutions - Baytown	71805	09/08/08	Recycle	47,538	Р
Enviro Solutions - Baytown	71818	09/08/08	Recycle	47,538	Р
Lubrizol-Deer Park	71653	09/08/08	00012051	37,840	P
Lubrizol-Deer Park	71654	09/08/08	00012051	37,480	Р
Motiva Enterprises	71759	09/08/08		45,036	Р
Enviro Solutions - Baytown	71881	09/09/08	Recycle	47,538	Р
Enviro Solutions - Baytown	71832	09/09/08	Recycle	47,538	Р
Enviro Solutions - Baytown	71890	09/09/08	Recycle	47,538	Р
Enviro Solutions - Baytown	71848	09/09/08	Recycle	47,538	Р
Farouk Systems Lubrizol-Deer Park	71542	09/09/08	CESQ2192	45,870	Ρ
Lubrizoi-Deer Park	71649	09/09/08	00012051	36,100	P
Andergauge Drilling Systems	71650 71585	09/09/08	00012051	37,560	P -
Enviro Solutions - Baytown	71948	09/10/08 09/10/08	Recycle	25,020	P
Farouk Systems	71812	09/10/08	Recycle	50,040	P P
VAM-USA	71845	09/10/08	CESQ2192 Recycle-Oily Water	45,870 9,174	P
Hutchinson-Hayes International, Inc.(East Belt)	71993	09/11/08	Recycle-Ony Water	16,680	P
Martin Transport	71888	09/11/08	Product	29,560	P
Proler Southwest	71877	09/11/08	Recycle	41,700	Р
Burbank Barrel & Drum	71938	09/12/08	Recycle	41,860	P
Ameriforge Corporation	72049	09/15/08	Recycle-Oily Water	29,780	P
Ameriforge Corporation	72051	09/15/08	Recycle-Oily Water	45,870	P
Ameriforge Corporation	72050	09/15/08	Recycle-Oily Water	43,580	Р
PGI International	72052	09/15/08	Recycle-Oily Water	37,530	Р
PGI International	72053	09/15/08	Recycle-Oily Water	41,700	Р
Proler Southwest	72020	09/15/08	Recycle	45,870	P
Proler Southwest	72061	09/15/08	Recycle	41,700	P
Proler Southwest	72060	09/15/08	Recycle	41,700	P
Proler Southwest	72019	09/15/08	Recycle	45,870	Р
Commercial Metals	72143	09/16/08	Recycle-Oily Water	43,868	Р
Commercial Metals	72129	09/16/08	Recycle-Oily Water	43,868	P
Forged Vessel Connections, Inc.	72094	09/16/08	Recycle-Oily Water	25,020	Р
Forged Vessel Connections, Inc.	72101	09/16/08	Recycle-Oily Water	25,020	Р
NOV Drilling Equipment (West Little York) Commercial Metals	71893	09/16/08	Recycle	8,340	P
Forged Vessel Connections, Inc.	72182 72152	09/17/08 09/17/08	Recycle-Oily Water	43,868	P
Lubrizol-Deer Park	72157	09/17/08	Recycle-Oily Water 00012051	1,251 34,920	P P
Lubrizol-Deer Park	72160	09/17/08	00012051	40,500	P
Lubrizol-Deer Park	72159	09/17/08	00012051	38,080	P
Proler Southwest	72021	09/17/08	Recycle	41,700	Р
Proler Southwest	72199	09/17/08	Recycle	41,700	P
Select Environmental	72 192	09/17/08	Recycle	41,700	Р
Select Environmental	72166	09/17/08	Recycle	41,700	Р
Select Environmental	72153	09/17/08	Recycle	45,870	P
Tenaris Coiled Tube, LLC (Beltway 8)	72105	09/17/08	Recycle-Oily Water	41,700	Р
Commercial Metals	72259	09/18/08	Recycle-Oily Water	43,868	Ρ
LeTourneau Technologies	72010	09/18/08	Recycle-Oily Water	459	Р
LeTourneau Technologies	72010	09/18/08	Recycle-Oily Water	2,085	Р
Lubrizol-Deer Park	72196	09/18/08	00012051	30,220	P
Lubrizol-Deer Park Proler Southwest	72158	09/18/08	00012051	41,220	P
Proler Southwest	72022 72146	09/18/08 09/18/08	Recycle Recycle	41,700 41,700	P P
Commercial Metals	72361	09/19/08	Recycle-Oily Water	43,868	P
Commercial Metals	72306	09/19/08	Recycle-Oily Water	43,868	P
Commercial Metals	72227	09/19/08	Recycle-Oily Water	40,032	P
Crown Beverage and Packaging	72302	09/19/08	Recycle-Oily Water	41,700	P
Enviro Solutions - Baytown	72307	09/19/08	Recycle	55,878	Р
Enviro Solutions - Baytown	72272	09/19/08	Recycle	54,210	Р
Enviro Solutions - Baytown	72378	09/19/08	Recycle	55,878	P
Enviro Solutions - Baytown	72380	09/19/08	Recycle	54,210	P
Farouk Systems	72381	09/19/08	CESQ2192	41,700	Р
Lubrizol-Deer Park	721 97	09/19/08	00012051	35,580	P
Lubrizot-Deer Park	72198	09/19/08	BOL	34,160	Р
Proler Southwest	722 81	09/19/08	Recycle	50,040	Р
Proler Southwest					_
Proier Southwest	72283 72284	09/19/08 09/19/08	Recycle	41,700	Р

Proler Southwest	72282	09/19/08	Recycle	41,700	P		
Schlumberger Technology - IPC North	72348	09/19/08	00521191	13,344	P		
Tenaris Coiled Tube, LLC (Beltway 8)	72316	09/19/08	Recycle-Oily Water	41,700	P		
Enviro Solutions - Baytown	72397	09/20/08	Recycle	55,878	P		
Flex Oil Service	72383	09/20/08	Recycle	41,700	Р		
Flex Oil Service	72395	09/20/08	Recycle	41,700	P		
Flex Oil Service	72398	09/20/08	Recycle	41,700	Р		
Lubrizoi-Deer Park	72254	09/20/08	00012051	35,120	Ρ		
Proler Southwest	72363	09/20/08	Recycle	12,510	Р		
Proler Southwest	72364	09/20/08	Recycle	41,700	Р		
Enviro Solutions - Baytown	72415	09/22/08	Recycle	29,190	Р		
Farouk Systems	72416	09/22/08	CESQ2192	29,705	Р		
Farouk Systems	72382	09/22/08	CESQ2192	20,850	P		
Proler Southwest	7236 6	09/22/08	Recycle	41,700	P P		
Proler Southwest	72365	09/22/08	Recycle	41,700	P		
Enviro Solutions - Baytown	72578	09/23/08	Recycle	54,210	P		
LeTourneau Technologies	72414	09/23/08	Recycle-Oily Water		P		
Lubrizol-Deer Park	72468	09/23/08	00012051	33,360	P		
Lubrizol-Deer Park	72467			34,440			
Packless Industries		09/23/08	00012051	38,340	P		
Proler Southwest	72499	09/23/08	Recycle-Oily Water	41,700	P		
Projet Southwest	72537	09/23/08	Recycle	41,700	Р		
Projer Southwest	72445	09/23/08	Recycle	41,700	Р		
	72538	09/23/08	Recycle	41,700	Р		
Proler Southwest	72444	09/23/08	Recycle	41,700	P		
Ameriforge Corporation	72576	09/24/08	Recycle-Oily Water	41,700	Р		
Ameriforge Corporation	72529	09/24/08	Recycle-Oily Water	52,542	P		
Ameriforge Corporation	72549	09/24/08	Recycle-Oily Water	50,040	Р		
Andergauge Drilling Systems	72553	09/24/08	Recycle	8,340	P		
Enviro Solutions - Baytown	72580	09/24/08	Recycle	51,708	Р		
Enviro Solutions - Baytown	72594	09/24/08	Recycle	48,372	Ρ		
Enviro Solutions - Baytown	7 2577	09/24/08	Recycle	54,210	Р		
Enviro Solutions - Baytown	72601	09/24/08	Recycle	23,352	Р		
Ethyl Corporation	72579	09/24/08	Recycle-Oily Water	50,620	Р		
Flex Oil Service	72619	09/24/08	Recycle	41,700	P		
Lubrizol-Deer Park	72470	09/24/08	00012051	39,980	Р		
NOV Drilling Equipment (West Little York)	72522	09/24/08	Recycle	400	Р		
Proler Southwest	72540	09/24/08	Recycle	41,700	Р		
Proler Southwest Proler Southwest	72540 72551	09/24/08 09/24/08			P P		
			Recycle Recycle Recycle	41,700			
Proler Southwest	72551	09/24/08	Recycle Recycle	41,700 41,700	P P		
Proler Southwest Proler Southwest	72551 72586 72562	09/24/08 09/24/08 09/24/08	Recycle Recycle Recycle-Oily Water	41,700 41,700 23,352	P P P		
Proler Southwest Proler Southwest VAM-USA	72551 72586 72562 72097	09/24/08 09/24/08 09/24/08 09/25/08	Recycle Recycle	41,700 41,700 23,352 25,020	P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling	72551 72586 72562 72097 72671	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08	Recycle Recycle Recycle-Oily Water Recycle	41,700 41,700 23,352 25,020 54,210	P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals	72551 72586 72562 72097 72671 72629	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08	Recycle Recycle Recycle-Oily Water Recycle	41,700 41,700 23,352 25,020 54,210 25,020	P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park	72551 72586 72562 72097 72671 72629 72469	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051	41,700 41,700 23,352 25,020 54,210 25,020 38,800	P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park	72551 72586 72562 72097 72671 72629 72469 72471	09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700	P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607	09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08	Recycle Recycle-Oily Water Recycle Oily Water 00012051 Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700	P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608	09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08	Recycle Recycle-Oily Water Recycle Oily Water 00012051 Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700	P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08	Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870	P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72672	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08	Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 45,870	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72672 72709	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08	Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle Recycle CESQ2192	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 45,870 41,700	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72672 72709 72926	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08	Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle Recycle CESQ2192 CESQ2192	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 45,870 41,700 41,700	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Hydril McCarty	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72672 72709 72926 72706	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle CESQ2192 Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 41,700 41,700 400	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Hydril McCarty Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72672 72709 72926 72706 72609	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08	Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 41,700 400 41,700	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Hydril McCarty Proler Southwest Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72672 72709 72926 72706 72609 72610	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 41,700 400 41,700 50,040	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72672 72709 72926 72706 72609 72610 72788	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 400 41,700 50,040 41,700	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Select Environmental	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72672 72709 72926 72706 72609 72610 72788 72867	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 41,700 400 41,700 50,040	P P P P P P P P P P P P P P P P P P P		
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Select Environmental Select Environmental	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72672 72709 72926 72706 72609 72610 72788	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 400 41,700 50,040 41,700	P P P P P P P P P P P P P P P P P P P		
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Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Select Environmental Farouk Systems Farouk Systems Farouk Systems Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Select Environmental Farouk Systems Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72672 72706 72609 72610 72788 72867 72855 72695 72759 72760	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/29/08 09/29/08 09/29/08 09/30/08 09/30/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 41,700 400 41,700 41,700 45,870 41,700 41,700 45,870 41,700 41,700 45,870 41,700 41,700 45,870 41,700 45,870 41,700 45,870 41,700 41,700 41,700 45,870 41,700 4	P P P P P P P P P P P P P P P P P P P		
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Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Proler Southwest Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Farouk Systems Pydril McCarty Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Motiva Enterprises	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72709 72926 72709 72926 72709 72935 72695 72759 72760 72993	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/29/08 09/29/08 09/29/08 09/30/08 09/30/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700 41,700 41,700 400 41,700 45,870 41,700 45,870 41,700 45,870 41,700 45,870 41,700 45,870 41,700 45,870 41,700 45,870 41,700 45,870 41,700 41,700 45,870 41,700	P P P P P P P P P P P P P P P P P P P	703,413	G
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Select Environmental Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Select Environmental Select Environmental Select Environmental Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Motiva Enterprises Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72709 72926 72706 72788 72867 72855 72695 72759 72760 72993 72789	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/29/08 09/29/08 09/29/08 09/30/08 09/30/08 09/30/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 41,700 45,870 41,700	P P P P P P P P P P P P P P P P P P P	703,413	G
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Proler Southwest Select Environmental Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Select Environmental Select Environmental Select Environmental Farouk Systems Lubrizol-Deer Park Lubrizol-Deer Park Motiva Enterprises Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72709 72926 72709 72926 72709 72926 72709 72927 72709 72923	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/29/08 09/29/08 09/29/08 09/30/08 09/30/08 09/30/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 5,627,302	P P P P P P P P P P P P P P P P P P P	703,413	G
Proler Southwest Proler Southwest VAM-USA Crescent Directional Drilling G & R Waste Oil Services High Island Petrochemicals Lubrizol-Deer Park Lubrizol-Deer Park Proler Southwest Proler Southwest Select Environmental Select Environmental Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Select Environmental Farouk Systems Hydril McCarty Proler Southwest Proler Southwest Proler Southwest Select Environmental Select Environmental Select Environmental Farouk Systems Farouk Systems Farouk Systems Farouk Systems Proler Southwest Proler Southwest Proler Southwest	72551 72586 72562 72097 72671 72629 72469 72471 72607 72608 72626 72709 72926 72706 72609 72788 72867 72855 72695 72796 72993 72789	09/24/08 09/24/08 09/24/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/25/08 09/26/08 09/26/08 09/26/08 09/26/08 09/26/08 09/29/08 09/29/08 09/29/08 09/30/08 09/30/08 09/30/08 09/30/08	Recycle Recycle Recycle-Oily Water Recycle Oily Water 00012051 00012051 Recycle Recycle Recycle Recycle CESQ2192 CESQ2192 Recycle	41,700 41,700 23,352 25,020 54,210 25,020 38,800 40,700 41,700 5,627,302	P P P P P P P P P P P P P P P P P P P	703,413	G

KMTEX	73161	10/02/08	Recycle-Oily Water	32,740	Р
Lubrizol-Deer Park	72928	10/02/08	00012051	36,460	P
Martin Transport	73028	10/02/08	Product	35,140	Р
Proler Southwest	72924	10/02/08	Recycle	41,700	P
VAM-USA	72995	10/02/08	Recycle-Oily Water	25,020	Р
Enviro Solutions - Baytown	7319 1	10/03/08	Recycle	58,380	P
Enviro Solutions - Baytown	73270	10/03/08	Recycle	37,530	Р
Enviro Solutions - Baytown	73267	10/03/08	Recycle	15,846	Р
Farouk Systems	72696	10/03/08	CESQ2192	41,700	Ρ
Hutchinson-Hayes International, Inc.(East Belt)	73136	10/03/08	Recycle	25,020	P
LeTourneau Technologies	73179	10/03/08	Recycle-Oily Water	1,200	P
Martin Transport	73033	10/03/08	Recycle	25,020	Р
Proler Southwest	73125	10/03/08	Recycle	41,700	P
Proler Southwest	73123	10/03/08	Recycle	41,700	Р
Commercial Metals	73269	10/04/08	Recycle-Oily Water	45,870	P
Lubrizol-Deer Park	7293 1	10/04/08	00012051	35,580	P
Proler Southwest	7322 9	10/04/08	Recycle	41,700	P
Ameriforge Corporation	7331 1	10/06/08	Recycle-Oily Water	40,280	Ρ
Atlantic Industrial Services	73368	10/06/08	Recycle-Oily Water	1,600	Р
Enviro Solutions - Baytown	73376	10/06/08	Recycle	48,372	Р
IDM	73206	10/06/08	recycle	12,510	P
IDM	73206	10/06/08	recycle	12,510	Р
IDM	73206	10/06/08	recycle	12,510	Р
IDM	73206	10/06/08	recycle	12,510	Р
IDM	73206	10/06/08	recycle	12,510	P
Proler Southwest	73230	10/06/08	Recycle	41,700	Р
Dresser Flow	73364	10/07/08	Recycle-Coolant	41,705.00	Р
Farouk Systems	7311 7	10/07/08	CESQ2192	41,700	Ρ
Lubrizol-Deer Park	73301	10/07/08	00012051	33,820	Р
Lubrizol-Deer Park	73288	10/07/08	00012051	38,840	Р
NOV Drilling Equipment (Lockwood)	73312	10/07/08	Recycle	16,680	Р
Enviro Solutions - Baytown	73517	10/08/08	Recycle	50,040	P
Mack's Transmission Proler Southwest	73406	10/08/08	recylable oily Water	2,085	P
Proler Southwest	73415	10/08/08	Recycle	41,700	P
VAM-USA	73416	10/08/08	Recycle	41,700	P
VAM-USA	73409 73520	10/08/08 10/08/08	Recycle-Oily Water	50,040	P
Ameriforge Corporation	73407	10/09/08	Recycle-Oily Water Recycle-Oily Water	35,028	P P
Enviro Solutions - Baytown	73663	10/09/08	Recycle	41,700 16,680	P
Lubrizol-Deer Park	73535	10/09/08	recycle	33,840	P
Lubrizol-Deer Park	73534	10/09/08	recycle	39,400	P
Proler Southwest	73558	10/09/08	Recycle	45,870	P
Enviro Solutions - Baytown	73742	10/10/08	Recycle	22,518	Р
Farouk Systems	73674	10/10/08	CESQ2192	50,040	Р
Farouk Systems	73118	10/10/08	CESQ2192	39,031	Р
KMTEX	73719	10/10/08	Recycle-Oily Water	40,140	P
KMTEX	73718	10/10/08	Recycle-Oily Water	41,200	P
KMTEX	73648	10/10/08	Recycle-Oily Water	46,620	P
KMTEX	73652	10/10/08	Recycle-Oily Water	24,420	Р
NOV Rig Solutions Sparesand Service	7356 1	10/10/08	Recycle	27,522	Р
Proler Southwest	73559	10/10/08	Recycle	41,700	Р
Lubrizol-Deer Park	73536	10/11/08	00012051	41,140	P
Lubrizol-Deer Park	73537	10/11/08	00012051	44,700	P
Enviro Solutions - Baytown	73874	10/13/08	Recycle	12,510	Р
KMTEX	73654	10/13/08	Recycle-Oily Water	43,900	P
KMTEX	73653	10/13/08	Recycle-Oily Water	45,780	Р
Lubrizol-Deer Park	73538	10/13/08	00012051	44,340	Ρ
Lubrizol-Deer Park	7353 9	10/13/08	00012051	45,000	P
Proler Southwest	73735	10/13/08	Recycle	41,700	Р
Select Environmental	73821	10/13/08	Recycle	20,250	P
Select Environmental	73810	10/13/08	Recycle	45,870	Ρ
Atlantic Industrial Services	7393 1	10/14/08	Recycle-Oily Water	917	Р
Farouk Systems	73634	10/14/08	CESQ2192	41,700	Р
GATX (Hearne)	73819	10/14/08	Recycle	29,190	Ρ
KMTEX	73656	10/14/08	Recycle-Oily Water	44,720	Р
KMTEX	73655	10/14/08	Recycle-Oily Water	44,920	Р
MIC	73779	10/14/08	Recycle-Oily Water	25,437	P
Enviro Solutions - Baytown	74007	10/15/08	Recycle	47,538	Р
KMTEX	73657	10/15/08	Recycle-Oily Water	39,680	Р

PGI International Proler Southwest	73894	10/15/08			
		10/13/08	Recycle-Oily Water	29,1 9 0	P
	74004	10/15/08	Recycle	41,700	P
Trelleborg CRP, Inc	7356 9	10/15/08	15271011	24,186	Р
Enviro Solutions - Baytown	74113	10/16/08	Recycle	14,178	Р
KMTEX	73658	10/16/08	Recycle-Oily Water	44,280	Р
Lubrizol-Deer Park	73940	10/16/08	00012051	40,500	Р
Motiva Enterprises	74103	10/16/08		45,787	Р
Proler Southwest	73960	10/16/08	Recycle	41,700	Р
Ameriforge Corporation	74085	10/17/08	Recycle-Oily Water	41,700	Р
Burbank Barrel & Drum	74076	10/17/08	Recycle	41,700	P
Enviro Solutions - Baytown Farouk Systems	74153	10/17/08	Recycle	45,870	P
Lubrizol-Deer Park	73635	10/17/08	CESQ2192	50,040	P
NOV (Magnolia)	73941	10/17/08	00012051	38,000	P
Proler Southwest	7398 7 7410 1	10/17/08 10/17/08	Recycle	4,170	P
Projer Southwest	74101	10/17/08	Recycle Recycle	41,700	P P
Profer Southwest	74166	10/17/08	Recycle	41,700	P
Projer Southwest	74102	10/18/08	Recycle	52,542 41,700	P
Atlantic Industrial Services	73684	10/20/08	Recycle-Oily Water	33,360	P
Proler Southwest	74194	10/20/08	Recycle	41,700	P
Enviro Solutions - Baytown	74364	10/21/08	Recycle		P
Farouk Systems	74057	10/21/08	CESQ2192	23,352 41,700	P
KMTEX	74217	10/21/08	Recycle-Oily Water	45,000	P
KMTEX	74218	10/21/08	Recycle-Oily Water	43,180	P
Lubrizol-Deer Park	74249	10/21/08	00012051	35,600	P
Enviro Solutions - Baytown	74419	10/22/08	Recycle	18,348	P
KMTEX	74307	10/22/08	Recycle-Oily Water	46,840	P
KMTEX	74308	10/22/08	Recycle-Oily Water	44,960	Ρ
Lubrizol-Deer Park	74329	10/22/08	00012051	32,860	Р
Lubrizol-Deer Park	74328	10/22/08	00012051	37,960	P
Lubrizol-Deer Park	74250	10/22/08	00012051	31,700	P
NOV Drilling Equipment (West Little York)	74347	10/22/08	Recycle	2,000	Р
Proler Southwest	7443 1	10/22/08	Recycle	41,700	P
Canrig	74384	10/23/08	recycle	459	P
Ethyl Corporation	74458	10/23/08	Recycle-Oily Water	47,820	Р
KMTEX	74306	10/23/08	Recycle-Oily Water	44,680	Р
KMTEX	74443	10/23/08	Recycle-Oily Water	46,140	Ρ
KMTEX	74444	10/23/08	Recycle-Oily Water	45,860	Р
Lubrizol-Deer Park	74251	10/23/08	00012051	40,740	Р
Proler Southwest	74513	10/23/08	Recycle	41,700	P
Proler Southwest Boring Specialties	74432	10/23/08	Recycle	41,700	P
Farouk Systems	74572 74058	10/24/08	Oily water	25,020	P
IDM	74828	10/24/08 10/24/08	CESQ2192 recycle	43,368 1,500	P P
IDM	74829	10/24/08	recycle	2,000	P
IDM	74829	10/24/08		-	P
IDM	74828	10/24/08	recycle recycle	2,000 1,500	P
IDM	74829	10/24/08	recycle	2,000	P
IDM	74828	10/24/08	recycle	1,500	P
IDM	74829	10/24/08	recycle	2,000	P
IDM	74828	10/24/08	recycle	1,500	P
IDM	74828	10/24/08	recycle	1,500	P
IDM	74829	10/24/08	recycle	2,000	Р
KMTEX	74562	10/24/08	Recycle-Oily Water	41,320	Р
KMTEX	74561	10/24/08	Recycle-Oily Water	46,440	Р
Lubrizol-Deer Park	74330	10/24/08	00012051	34,620	Р
Lubrizol-Deer Park	74331	10/24/08	00012051	39,180	P
Motiva Enterprises	74672	10/24/08		45,737	Ρ
Proler Southwest	74435	10/24/08	Recycle	41,700	P
Proler Southwest	74433	10/24/08	Recycle	41,700	Ρ
Ameriforge Corporation	74577	10/25/08	Recycle-Oily Water	41,700	Р
Forged Vessel Connections, Inc.	74450	10/25/08	Recycle-Oily Water	45,036	P
,	74681	10/25/08	Recycle-Oily Water	45,036	Р
Forged Vessel Connections, Inc.	74600	10/25/08	Recycle	41,700	P
Forged Vessel Connections, Inc. Proler Southwest	74623				
Forged Vessel Connections, Inc. Proler Southwest Proler Southwest	74624	10/25/08	Recycle	41,700	Р
Forged Vessel Connections, Inc. Proler Southwest Proler Southwest Burbank Barrel & Drum	74624 74501	10/27/08	Recycle	41,160	P
Forged Vessel Connections, Inc. Proler Southwest Proler Southwest Burbank Barrel & Drum Enviro Solutions - Baytown	74624 74501 74690	10/27/08 10/27/08	Recycle Recycle	41,160 54,210	P P
Forged Vessel Connections, Inc. Proler Southwest Proler Southwest Burbank Barrel & Drum	74624 74501	10/27/08	Recycle	41,160	P

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Lubrizol-Deer Park
                                                        74333 10/27/08 00012051
                                                                                                 28,500
                                                        74332
                                                                10/27/08
                                                                           00012051
                                                                                                 28,880
Lubrizol-Deer Park
Proier Southwest
                                                         74626
                                                                10/27/08
                                                                                                 45,870
                                                                                                              Ρ
                                                        74625
Projer Southwest
                                                                                                 45,870
                                                                10/27/08
                                                                           Recycle
                                                         74732
                                                                                                 41,700
Farouk Systems
                                                                10/28/08
Farouk Systems
                                                        74517
                                                                10/28/08
                                                                           CESQ2192
                                                                                                 43,368
Hydril HHP
                                                         74684
                                                                10/28/08
                                                                           Recycle-Oily Water
                                                                                                 16,972
NOV Drilling Equipment (West Little York)
                                                        74420
                                                                10/28/08
                                                                           Recycle-Oily Water
                                                                                                 23,352
Lubrizol-Deer Park
                                                        74335
                                                                10/29/08
                                                                           00012051
                                                                                                 35.300
Lubrizol-Deer Park
                                                                10/29/08
                                                                                                  39,020
                                                                                                 41,700
Proler Southwest
                                                         74795
                                                                10/29/08
                                                                           Recycle
                                                                                                  41,700
Proler Southwest
                                                         74796
                                                                10/29/08
                                                                            Recycle
Enviro Solutions - Baytown
                                                         74966
                                                                10/30/08
                                                                            Recycle
                                                                                                 50,040
                                                         74957
                                                                           Recycle-Oily Water
                                                                                                 47,720
Ethyl Corporation
                                                                10/30/08
Hutchinson-Hayes International, Inc.( East Belt)
                                                         74869
                                                                10/30/08
                                                                                                 19,182
                                                         74803
                                                                                                 33.360
                                                                10/31/08
Canrig
                                                                           Recycle
                                                         74804
                                                                10/31/08
                                                                                                  11,250
Canrig
                                                         74965
                                                                                                  39,198.00
Dresser Flow
                                                                10/31/08
                                                                           Recycle-Coolant
Farouk Systems
                                                         74519 10/31/08
                                                                          CESQ2192
                                                                                                  41,700
                                                                                                  40,180
Lubrizol-Deer Park
                                                         74337 10/31/08 00012051
Lubrizol-Deer Park
                                                         74336
                                                                10/31/08
                                                                           00012051
                                                                                                  45,340
                                                                                                  5,532,260
                                                                                                                    691,533 G
                                                                                                  41,700
Proler Southwest
                                                         74980 11/01/08
Proler Southwest
                                                         74981 11/01/08
                                                                                                 41,700
                                                                                                  41,700
Enviro Solutions - Baytown
                                                         75212
                                                                11/03/08
                                                                            Recycle
                                                         75217
                                                                                                  19,182
                                                                                                               Ρ
Enviro Solutions - Baytown
                                                                                                  54,210
Enviro Solutions - Baytown
                                                         75213 11/03/08
                                                                            Recycle-Oily Water
                                                                                                  47,220
Ethyl Corporation
                                                               11/03/08
                                                                                                  41,700
Farouk Systems
                                                         75087
                                                                11/03/08
                                                                            CESQ2192
                                                                                                  18,348
Forged Vessel Connections, Inc.
                                                         75125
                                                                 11/03/08
                                                                            Recycle-Oily Water
Select Environmental
                                                         75175
                                                               11/03/08
                                                                            Recycle
                                                                                                  45.870
                                                         75191 11/03/08
                                                                                                  45,870
Select Environmental
                                                                            Recycle
VAM-USA
                                                         75057 11/03/08
                                                                                                  900
                                                         74995
                                                                11/04/08
                                                                            CESQ2192
                                                                                                  25,020
Farouk Systems
Lubrizol-Deer Park
                                                         75167
                                                                11/04/08
                                                                            00012051
                                                                                                  37,220
                                                                                                  36,920
                                                                            00012051
                                                         75151 11/04/08
Lubrizol-Deer Park
Lubrizol-Deer Park
                                                         75152 11/04/08
                                                                            00012051
                                                                                                  40,100
                                                                                                               Ρ
                                                         75204 11/04/08
                                                                                                  41,700
                                                                                                               Ρ
Proler Southwest
                                                                            Recycle
Proler Southwest
                                                         75218
                                                                 11/04/08
                                                                                                  41,700
                                                                                                               P
                                                                                                  41,760
                                                                                                               Р
Lubrizol-Deer Park
                                                         75154 11/05/08
                                                                            00012051
                                                         75153 11/05/08
                                                                            00012051
                                                                                                  42,820
Lubrizol-Deer Park
Lubrizol-Deer Park
                                                         75170 11/05/08
                                                                           00012051
                                                                                                  34.620
                                                                                                               р
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NOV Drilling Equipment (West Little York)	75242	11/05/08	Recycle-Oily Water	23,352	р
Burbank Barrel & Drum	75331	11/06/08	Recycle	36,140	P
Lubrizol-Deer Park	75412	11/06/08	00012051	40,120	Р
Lubrizol-Deer Park	75171	11/06/08	00012051	37,280	Р
Lubrizol-Deer Park	75156	11/06/08	00012051	42,000	P
Lubrizol-Deer Park	75155	11/06/08	00012051	43,420	Р
Enviro Solutions - Baytown	75591	11/07/08	Recycle	15,012	Р
Enviro Solutions - Baytown	75488	11/07/08	Recycle	47,538	Р
Lubrizol-Deer Park	75414	11/07/08	00012051	41,680	P
Lubrizol-Deer Park	75172	11/07/08	00012051	33,080	P
Lubrizol-Deer Park	75473	11/08/08	00012051	39,300	Р
Lubrizol-Deer Park	75474	11/08/08	00012051	43,780	Р
Enviro Solutions - Baytown	75685	11/10/08	Recycle	25,020	P
NOV (Magnolia)	75594	11/10/08	Recycle	2,850	r P
NOV (Magnolia)	75595	11/10/08			P
NOV (Magnolia)			Recycle	1,800	
	75595	11/10/08	Recycle	2,000	P
VAM-USA	75629	11/10/08	Recycle-Oily Water	22,518	P
Farouk Systems	75475	11/11/08	CESQ2192	41,700	P
Houston Marine Services, Inc	75687	11/11/08	Recycle	37,500	Р
Houston Marine Services, Inc	75690	11/11/08	Recycle	37,500	P
Houston Marine Services, Inc	75691	11/11/08	Recycle	37,500	Р
Houston Marine Services, Inc	75686	11/11/08	Recycle	37,500	Р
Houston Marine Services, Inc	75688	11/11/08	Recycle	37,500	Р
Motiva Enterprises	75833	11/11/08		47,872	P
Ameriforge Corporation	75783	11/12/08	Recycle-Oily Water	40,227	Р
Atlantic Industrial Services	76000	11/12/08	Recycle-Oily Water	400	Р
Commercial Metals	75920	11/12/08	Recycle-Oily Water	43,368	P
Enviro Solutions - Baytown	75683	11/12/08	Recycle	45,870	P
Enviro Solutions - Baytown	75871	11/12/08	Recycle	23,352	P
Enviro Solutions - Baytown	75856	11/12/08	Recycle	26,688	P
Greens Bayou Pipe Mill, LP	75816	11/12/08	Recycle-Oily Water	29,190	Р
Houston Marine Services, Inc	75697	11/12/08	Recycle	37,500	Р
Houston Marine Services, Inc	75695	11/12/08	Recycle	37,500	P
Houston Marine Services, Inc	75696	11/12/08	Recycle	37,500	P
Houston Marine Services, Inc	75933	11/12/08	Recycle	35,862	P
Houston Marine Services, Inc	75692	11/12/08	Recycle	37,500	₽
Proler Southwest	75927	11/12/08	Recycle	41,700	Р
Proler Southwest	75926	11/12/08	Recycle	41,700	Р
Ameriforge Corporation	75893	11/13/08	Recycle-Oily Water	41,934	Р
Commercial Metals	75975	11/13/08	Recycle-Oily Water	43,368	Р
Enviro Solutions - Baytown	75970	11/13/08	Recycle	23,352	Р
Houston Marine Services, Inc	75703	11/13/08	Recycle	41,700	Р
Houston Marine Services, Inc	75702	11/13/08	Recycle	41,700	Р
Houston Marine Services, Inc	75694	11/13/08	Recycle	41,700	P
Houston Marine Services, Inc	75700	11/13/08	Recycle	41,700	Р
Houston Marine Services, Inc	75699	11/13/08	Recycle	41,700	P
Houston Marine Services, Inc	75701	11/13/08	Recycle	41,700	Р
KMCO, Inc.	75854	11/13/08	Recycle-Oily Water	44,100	Р
KMCO, Inc.	75855	11/13/08	Recycle-Oily Water	43,820	P
Lubrizol-Deer Park	75880	11/13/08	00012051	35,620	P
Proler Southwest	75929	11/13/08	Recycle	45,870	P
Proler Southwest	75928	11/13/08	Recycle	41,700	P
Tenaris Coiled Tube, LLC (Beltway 8)	75956	11/13/08	Recycle-Oily Water	41,700	P
Commercial Metals	76078	11/14/08	Recycle-Oily Water		P
Houston Marine Services, Inc	75704	11/14/08	Recycle-Only Water	43,368 41,700	P
Lubrizol-Deer Park			•		
EUDITZOPDEEL FAIR	75884	11/14/08	00012051	40,220	Р

341,191 G

CEC	END	HDC	BIRA	ENTA	I CED	VICEE
1 1 2	EN	/1KL	INM	ENIA	Lack	VILES

BASE OIL 2008 YTD		···				258,526	G
ienerator	Job#	Job Date	Description	Qty	P		
hell Global	55866	01/02/08	Recycle	13,340	P		
heli Global	55941	01/04/08	Recycle	40,160	P		
hell Global	56068	01/04/08	Recycle	23,352	Р		
hell Global	56062	01/07/08	Recycle	41,700	P		
neil Global	56236	01/09/08	Recycle	24,200	Р		
hell Global	56592	01/14/08	Recycle	41,420	P		
hell Global	57079	01/21/08	Recycle	9,040	P		
hell Global	57241	01/22/08	Recycle	17,640	P		
hell Global	57278	01/23/08	Recycle	34,520	, P		
hell Global	57525	01/23/08	recycle-base oil	4,519	P		
hell Global	57502	01/27/08	Recycle	41,780	P		
hell Global	57587		Recycle	7,240	P		
		01/28/08			•		
hell Global hell Global	57747	01/30/08	Recycle	14,880	P P		
	57671	01/30/08	recycle-base oil	42,540			
hell Global	57725	01/31/08	recycle	35,300	P		_
				391,631		48,954	G
hell Global	57885	02/01/08	Recycle	33,720	Р		
hell Global	57702	02/02/08	Recycle	459	Р		
hell Global	57989	02/04/08	Recycle	28,500	P		
hell Global	58227	02/07/08	Recycle	34,680	Р		
hell Global	58228	02/07/08	Recycle	32,340	Р		
hell Global	58484	02/09/08	Recycle	9,560	P		
hell Global	58485	02/10/08	Recycle	45,870	P		
hell Global	58489	02/11/08	Recycle	37,140	P		
hell Global	58514	02/13/08	Recycle	36,120	P		
iheli Global	58684	02/14/08	Recycle	21,600	P.		
hell Global	58663	02/14/08	Recycle	34,440	P		
iheli Global	58515	02/14/08	Recycle	34,880	P		
hell Global	58705	02/15/08	Recycle	26,240	P		
ihell Global	58753	02/15/08	Recycle	45,295	Р		
ihell Global	58777	02/15/08	Recycle	33,360	P		
Shell Global	59078			11,380	P		
лен Gюраі	390/8	02/21/08	Recycle			50.100	G
				465,584		58,198	G
hell Global	60504	03/15/08	Recycle	7,920	Р	990	G
heli Global	61508	04/02/08	Recycle	9,940	Р		
ihell Global	61504	04/02/08	Recycle	10,840	Р		
Shell Global	61506	04/03/08	recycle	800	Р		
Shell Global	61506	04/03/08	recycle	1,000	Р		
Shell Global	61506	04/03/08	recycle	1,500	Р		
Shell Global	62488	04/17/08	Recycle	36,320	Р		
Shell Global	63127	04/27/08	Recycle	8,420	Р		
				68,820		8,603	G
Shell Global	63771	05/07/08	Recycle	9,140	Р		
Shell Global	64298	05/15/08	Recycle	5,060	Р		
ihell Global	64757	05/22/08	Recycle	41,980	Р		_
				56,180	·	7,023	G

Shell Global	65701	06/08/08	Recycle	8,700	P			
Shell Global	65920	06/12/08	Recycle	34,188	Ρ			
Shell Global	65923	06/12/08	Recycle	25,060	P			
Shell Global	66147	06/13/08	Recycle	14,591	Р			
Shell Global	66223	06/16/08	Recycle	9,100	Р			
Shell Global	66650	06/24/08	Recycle	50,480	P			
Shell Global	66697	06/24/08	Recycle	17,440	P			
Shell Global	66735	06/24/08	Recycle	6,500	P			
Shell Global	67066	06/30/08	Recycle	46,840	P			
31.0 210041	0,000	00/30/08	necyare	_				
				212,899		26,612	G	
ch-ll ou l		ATT 1- A 1						
Shell Global	67321	07/02/08	Recycle	11,000	Р			
Shell Global	67535	07/07/08	Recycle	33,920	Р			
Shell Global	67537	07/07/08	Recycle	32,060	Р			
Shell Global	67538	07/08/08	Recycle	32,500	Р			
Shell Global	67757	07/09/08	Recycle	24,640	Р			
Shell Global	70128	07/13/08	Recycle	9,180	P			
Shell Global	68020	07/13/08	Recycle	9,900	Р			
Shell Global	68040	07/14/08	Recycle	25,520	P			
Shell Global	68271	07/16/08	Recycle	12,040	P			
Shell Global	68466	07/19/08	A Tank/Inside Pit	40,780	Р			
Shell Global	68606	07/22/08	Recycle	31,240	Р			
Shell Global	68705	07/24/08	Recycle	2,560	P			
Shell Global	69147	07/29/08	Recycle	10,720	Р			
				276,060		34,508	G	
Shell Global	69569	08/04/08	Recycle	44,800	Р			
Shell Global	69588	08/05/08	Recycle	44,660	P			
Shell Global	69602	08/05/08	Recycle-Rail Pit	37,280	Р			
Shell Global	70311	08/14/08	Recycle	12,260	Р			
Shell Global	70504	08/18/08	Recycle	31,400	P			
Sheli Global	70522	08/19/08	Recycle	19,540	Р			
Shell Global	70549	08/21/08	Recycle	14,240	Р			
Shell Global	70912	08/25/08	Recycle	11,100	P			
Shell Global	71125	08/28/08	Recycle	11,180	ρ			
Shell Global	71201	08/29/08	Recycle	4,871	P			
311011 010001	,1201	00/25/08	necycle		<u> </u>	20.016		
				231,331		28,916	G	
Shell Global	71286	09/02/08	Panulo.	24.000	Р			
Shell Global	71474		Recycle	24,860				
Shell Global		09/04/08	Recycle	17,160	P			
	71466	09/04/08	Recycle	7,820	Р			
Shell Global Shell Global	71898	09/11/08	Recycle	34,040	P			
	72116	09/16/08	Recycle	26,640	P			
Shell Global	72496	09/23/08	Recycle	28,060	P			
Sheli Global	72779	09/29/08	recycle	3,200	Р			
				141,780		17,723	G	
Shell Global	73397	10/08/08	Recycle	40,840	Р			
Shell Global	73399	10/10/08	Recycle	35,320	P			
Shell Global	74068	10/15/08	Recycle	11,160	Р			
Shell Global	74104	10/16/08	Recycle	10,500	Р			
Sheli Global	74570	10/27/08	Recycle	35,880	Р			
Shell Global	74875	10/31/08	Recycle	5,780	P			
				139,480		17,435	G	
Shell Global	75653	11/10/08	Recycle	38,140	Р			
Shell Global	75859	11/12/08	Recycle	33,380	P			
Shell Global	75969	11/13/08	Recycle	5,000	P			
				76,5	20	9,565	G	
				. 0,5		_,	-	

		Gallons
January	Base Oil Water	48,954
February	Base Oil Water	58,198
March	Base Oil Water	990
April	Base Oil Water	8,603
May	Base Oil Water	7,023
June	Base Oil Water	26,612
July	Base Oil Water	34,508
August	Base Oil Water	28,916
September	Base Oil Water	17,723
October	Base Oil Water	17,435
November	Base Oil Water	9,565
December	Base Oil Water	0
2008 year total	Base Oil Water	258,526

end 11/13/08

October Re November Re	ecycle-Oily Water ecycle-Oily Water ecycle-Oily Water ecycle-Oily Water	1,036,485 703,413 691,533 341,191	end 11/14/08
October Re	ecycle-Oily Water ecycle-Oily Water ecycle-Oily Water	1,036,485 703,413 691,533	end 11/14/08
'	ecycle-Oily Water ecycle-Oily Water	1,036,485 703,413	
September Re	ecycle-Oily Water	1,036,485	
I	,, · · · · · · · · · · · · · · · ·	,	
August Re	,	,	
July Re	ecycle-Oily Water	753,764	
June Re	ecycle-Oily Water	550,726	
May Re	ecycle-Oily Water	662,173	
April Re	ecycle-Oily Water	493,339	
March Re	ecycle-Oily Water	417,411	
February Re	ecycle-Oily Water	547,450	
January Re	ecycle-Oily Water	480,065	
		Gallons	

Emission Summary

2008 Emissions Estimates

		Piping Co	mponents										
Evaluation:	Evaluation:		itive)	re) Distillation		Centerfuge		Storage		Loading		Total	
		Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions
Component	CAS	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(ib/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr)	(TPY)	(lb/hr) 1	(TPY)
Xylene	106-42-3	0.0000	0.0000	-	•	-	•	0.3087	0.0565	0.0052	0.0000	0.3139	0.0565
Naphtha		-	-	-		-	_	0.0425	0.0078	-	-	0.0425	0.0078
Oil		0.1460	0.6396	0.0714	0.3128	0.0259	0.0330	0.7583	0.1471	0.0712	0.0706	1.0729	1.2031
Sulfuric Acid	7664-93-9			-	-	-	-	3.75E-04	2.02E-06	-	-	0.0004	0.0000
	Ta Man		1074	0.07	0.31	-0.03	0.03	241	0.45	0.09	0.07	7476	1.57

Project Total Emissions:	VOC
TPY	1.57

CES Environmental Services Estimated Tank Emissions

DATA ENTRY				
Tank Identification		cid Tank	Emulsion Breaker Tank	Centrifuge
EPN		ST-1	ET-1	SV-1
Material Stored		Ifuric Acid	Emulsion Breaker	Oil/Water
Tank Capacity	Vol., gallons	4,000	270	16,800
Throughput	gallons	20,000	250	6,677,549
Tank Controlled	Yes/No	No	No	No
Control Efficiency	e, %	0.00	0.00	0.00
Shell Height	Hs, ft	20.0	20.0	20.0
Shell Length	Ls, ft	12.0	12.0	12.0
Orientation	Vertical=1/Ho	rizont 1	1	1
Fill Rate	gallons/hr	4,000	250	3,000
Molecular Weight, lb/lb-mole		98.073	95.086	150.000
Vapor Pressure @ TIn, psia	526.90	R 3.82E-06	0.0808	0.0100
Vapor Pressure @ Tia, psia	537.23	R 7.17E-06	0.1122	0.0100
Vapor Pressure @ Tlx, psia	547.57	R 1.31E-05	0.1534	0.0100
Max. Vapor Pressure @ Tlx, psia	567.80	R 4.02E-05	0.2729	0.0100
ESTIMATED EMISSIONS				
Maximum Hourly Losses	Lm, lb/hr	0.000	0.154	0.026
Standing Losses	Ls, lb/yr	0.00	56.72	8.32
Working Losses	Lw, lb/yr	0.00	0.06	57.75
Uncontrolled Total Losses	Lt, lb/yr	0.00	56.79	66.07
	Lt, ton/yr	0.0000	0.0284	0.0330
Controlled Total Losses	Lmc, lb/hr	N/A	N/A	N/A
	Ltc, ton/yr	N/A	N/A	N/A
PHYSICAL PARAMETER CALCULA				
Diameter, D Effective dia	,	12.0	12.0	12.0
Avg. Liquid Height	HI, ft	10.0	10.0	10.0
Max. Liquid Height	HIx, ft	4.7	0.3	19.9
Cone Roof Outage	Hro, ft	0.125	0.125	0.125
Vapor Space Outage	Hvo, ft	10.125	10.125	10.125
Vapor space volume	Vv, ft^3	1144.53	1144.53	1144.53
Breather vent pressure setting	Pbp, psig	0.03	0.03	0.00
Breather vent vacuum setting	Pbv, psig	-0.03	-0.03	0.00
Gas Constant	R, psia-ft^3/lb	mole- 10.732	10.732	10.732
Vapor Density	Wv, lb/ft^3	0.0000	0.0018	0.0003
Daily vapor pressure range	^Pv, psia	0.0000	0.0726	0.0000
Vapor space expansion factor	Ke	0.073	0.078	0.077
Vented vapor saturation factor	Ks	1.000	0.943	0.995
Working Loss Product Factor	Кр	1.00	1.00	1.00
Net Annual Throughput	Q, bbl/yr	476.2	6.0	158,989.3
Turnovers	N	5.0	0.9	397.5
Turnover factor	Kn	1.00	1.00	0.24

MAX. HRLY LOSSES:

Lm = (Lwn

STANDING LOSSES:

WORKING LOSSES:

Lw = 0.00 Lwmax = 0.00

TOTAL HOURLY LOSSES: TOTAL ANNUAL LOSSES:

CONTROLLED

TOTAL HOURLY LOSSES: TOTAL ANNUAL LOSSES:

METEROLOGICAL CALCULATIONS: Data Location

Hous Daily avg. liquid surface temp, R Tla Daily avg. ambient temp, R Liquid bulk temp, R Тb Daily solar insulation factor, Btu/ft^2 day Atmospheric pressure, psia Daily max. ambient temp, R Pa Tax Daily min. ambient temp, R Daily vapor temp. range, R ^Tv Daily max. liquid surface temp., R Tlx Daily min. liquid surface temp., R Solor absorbance factor Tin

Loading Emissions

TRANSPORT VESSEL LOADING

From AP-42 Chapter 5 LL = 12.46 SPM/T lb/1000 gai

E = 12.46 S = W = 10 1000 gal S = Saturation Factor = P = Vapor Pressure = M = Molecular Weight = T = Temperature =

0.6 0.01 psia 150 lb/lbmole 660 R

LL =

0.0170 lb/1000 gal

Maximum Load Rate Annual Throughput 3000.0000 gal/hr 6,936,074.86 gal/yr

Oil Loading Emissions =

0.0510 lb/hr

0.0589 tpy

Loading and unloading of light ends is vapor balanced and therefore does not generate emissions.

Before being disconnected the loading hose is blown into the truck/railcar with nitrogen, leaving only residual liquid clingage on the walls of the hose. It is conservatively assumed that all of the residual material in the line evaporates.

TRANSFER LINE DISCONNECTING - VOC

EPN - OL-1										
	Clingage			Clingage	Vapor		_	voc		VOC
	Factor	Product	Density	Mass in	Pressure	MW	Vapor Mass	Emissions		Emissions
Product	(bbi/1000 ft2)	Volume (gal)	(lb/gal)	Line (lb)	(psia)	(lb/lbmole)	in Line (lb)	(lb/hr)	Loads (year)	(TPY)
Oil	0.0015	0.00237	8.5	0.0202	0.01	150	2.18E-07	0.0202	1156	0.0117
							Max. VOC	0.0202		0.0117

Notes:

1. Volume Product = Line Surface Area (3.14 x D x L) x Clingage Factor x 42 gal/bbl / 1000

2. Clingage Factor from AP-42 Chapter 7.

3. Mass in Line = (Product Volume x Density)

Line Dimensions:

Line Volume (V) 0.13 cu ft
Line Area (A) 37.68 sq ft

Fugitive <u></u>⊨missions

Basis Information:

	Gas/Vapor Components	Light Liquid Components	Heavy Liquid Components	Estimated Fugitive Emissions		Estimated Fugitive Emissions	
COMPONENTS				Lig	hts	Heavies	
	(comp.)	(comp.)	(comp.)	lb/hr	ton/yr	lb/hr	ton/yr
VALVES	0	5	70	0.0005	0.0023	0.0343	0.1502
FLANGES	0	15	210	0.0053	0.0230	0.0103	0.0451
PUMP SEALS	0	1	9	0.0027	0.0118	0.1014	0.4443
OPEN ENDED LINES	0	0	0	0.0000	0.0000	0.0000	0.0000
DRAINS	0	0	0	0.0000	0.0000	0.0000	0.0000
RELIEF VALVES	0	1	0	0.0069	0.0301	0.0000	0.0000
SAMPLE CONNECTIONS*	0	0	0	0.0000	0.0000	0.0000	0.0000
TOTAL	0	22	289	0.0154	0.0673	0.1460	0.6396

Component Emission Factors

	Gas/Vapor	28 M	Light Liquid	28 M	Heavy Liquid	28 M
	Factor	% Reduction	Factor	% Reduction	Factor	% Reduction
Component	(lb/hr/comp)	(%)	(lb/hr/comp)	(%)	(lb/hr/comp)	(%)
VALVES	0.0089	97.0	0.0035	97.0	0.0007	30.0
FLANGES	0.0029	97.0	0.0005	30.0	0.00007	30.0
PUMP SEALS	0.0386	93.0	0.0386	93.0	0.0161	30.0
OPEN ENDED LINES	0.004	100.0	0.004	75.0	0.004	100.0
DRAINS	0.004	97.0	0.0027	97.0	0.0027	30.0
RELIEF VALVES	0.2293	97.0	0.2293	97.0	0.2293	30.0
SAMPLE CONNECTIONS*	0.0330	97.0	0.0000	97.0	0.0000	30.0

Emission Factors from TCEQ guidance document on equipment leaks. Includes Flange Monitoring

^{*} Sample connections are capped or blinded.

Fugitive ⊏missions

Speciation

	Max. Liquid	Emissions		
Name	wt frac.	lb/hr ton/yr		
Oil	1.00	0.1460 0.6		

- 1) Composition is based on worst case weight fraction for each component to allow for variation.
- 2) Relief valves on oil tanks are accounted for by setting the tank vent settings to zero in the tank emission calculations.

CES ENVIRONMENTAL SERVICES

CE2 FMAII	KUNIVIE	NIAL SEK	VICES				
			SIB Wastewater 2008 YTD	314,900	P	39,363	G
Generator	# dot	Job Date	Description	Qty	P		
KMCO, Inc.	62705	04/08/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	48,000	P		
KMCO, Inc.	62704	04/14/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	37,020	Р		
KMCO, Inc.	62247	04/14/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	47,320	P		
KMCO, Inc.	62961	04/14/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	41,160	P		
KMCO, Inc.	63640	04/14/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	39,460	P		
KMCO, Inc.	63948	04/14/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	39,600	Р		
KMCO, Inc.	62960	04/15/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	35,360	Р		
KMCO, Inc.	63639	04/16/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	26,960	P		
				141,380			
KMCO, Inc.	63581	05/12/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	41,780	P		
KMCO, Inc.	63931	05/13/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	41,660	₽		
KMCO, Inc.	62262	05/14/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	45,000	P		
KMCO, Inc.	62706	05/15/08	RQ, Waste corrosive, liquid, basic, inorganic (sodium hydroxide), 8, UN3266, PG II	45,080	Р		
				173,520			

EPAHO043001133

SUMMARY OF EMISSIONS AND PBR APPLICABILITY DOCUMENTATION BASED ON 2008 YTD - 39,363 gallon wastewater

PBR 106.472

	Stor	age	Fugi	tives	To	tal
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Sodium Sulfide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Sodium Hydrosulfide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Sulfuric Acid	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Ferric chloride	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
calcium hydroxide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Neutralization salts	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PBR 106.261 / 106.262

	Stor	age	Fug	itives	To	otal]
Chemical	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	1
Isobutylene	0.1147	0.0258	0.0000	0.0001	0.1147	0.0259	
Hydrogen peroxide	0.0009	0.0000	0.0011	0.0047	0.0020	0.0048]
					0.1167	0.0307	TOTAL

PBR Compliance

	Applicable	TLV	PBR AI	PBR Allowable		mpliance
Chemical	PBR	mg/m^3	lb/hr	TPY	lb/hr	TPY
Isobutylene	106.261	-	1.00	10.0	YES	YES
Hydrogen peroxide	106.262	1.4	0.009	5.0	YES	YES

PBR Allowables:

lb/hr ton/yr 10.0

106.261 1.0

106.262 E=L/K 5.0

 $L = TLV (mg/m^3)$

,receptor distance > 270 ft K = 157

> SIB Calcs Page 1

TANK EMISSION CALCULATIONS	permit gal/	832,000	582,400	499,200	45,760	6,240	104,000	1,493,440
	Tank ID:	T1	H1	H2	S	F	C	ST
	Material:	Sulfurized Isobutylene	Hydroxide Peroxide 35%	Hydrogen Peroxide 10%	Sulfuric Acid	Ferric Chloride	Calcium Hydroxide	Sludge/Treated Wastewater
Annual Throughput, gal/yr	Q =	39,363	27,554	23,618	2,165	295	4,920	70,657
Max Hourly Transfer Rate, gal/hr	FR =	4,000	1,100	550	50	50	50	50
Emissions:								
Maximum Hourly Emissions, lb/hr	Lmax =	0.13528	0.00212	0.00150	0.00000	0.01551	0.01389	0.00000
Total Annual Emissions, TPY	Lt =	0.03044	0.00243	0.00005	0.00000	0.00046	0.00318	0.00000
Annual Average Hourly Emis, lb/hr	Lavg =	0.007	0.001	0.00001	0.000	0.000	0.001	0.000
Standing loss, lb/yr	Ls =	19.011	3.293	0.072	0.000	0.871	5.626	0.000
Working loss, lb/yr	Lw =	41.870	1.568	0.035	0.000	0.049	0.729	0.000
Material Properties:]		
Molecular Weight, lb/lb-mole	Mv =	42.42	6.87	8.08	98.07	18.00	18.00	0.00
Vapor Pressure @ Tla, psia	Pva =	1.05	0.35	0.39	0.00	0.39	0.35	0.00
Vapor Pressure @ Tln, psia	Pvn =	0.93	0.29	0.33	0.00	0.33	0.29	0.00
Vapor Pressure @ Tlx, psia	Pvx =	1.19	0.41	0.46	0.00	0.46	0.41	100.00
Max. Vapor Pressure @ mTlx, psia	Pvmax =	1.67	0.59	0.71	0.00	0.72	0.65	0.00
Tank Properties:								
Vapor control device		scrubber	scrubber	scrubber	scrubber	none	none	scrubber
Vapor control efficiency, %	e =	98	98	98	98	0	0	98
Capacity volume, gal	Cv =	9,975	5,398	547	940	595	4,230	940
Shell Diameter, ft	D =	8.5	8.3	4.5	4.0	4.5	12.0	4.0
Shell Height/Length, ft	Hs =	23.5	13.5	4.6	10.0	5.0	5.0	10.0
Tank Orientation (vertical or horizontal)	ŀ	vert	horiz	vert	vert	vert	vert	vert
Roof type (cone or dome)		cone	N/A	cone	cone	cone	cone	cone
Tank Color (white, light gray, other)		white	white	white	white	white	white	white
Solor absorbance factor	a =	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Pressure vent setting, psig	Pbp =	0.3	0	0.3	0	0	0	0
Vacuum vent setting, psia	Pbv =	-0.3	0	-0.3	0	0	0	0
Effective diameter, ft	De =	8.5	11.9	4.5	4.0	4.5	12.0	4.0
Avg. Liquid Height, ft	HI =	11.8	4.1	2.3	5.0	2.5	2.5	5.0
Max. Liquid Height, ft	Hlx =	23.5	8.3	4.6	10.0	5.0	5.0	10.0
Roof Outage, ft	Hro =	0.00	0.00	0.05	0.04	0.05	0.13	0.04
Vapor Space Outage, ft	Hvo =	11.75	4.13	2.35	5.04	2.55	2.63	5.04
Vapor space volume, ft ³	Vv =	666.75	459.65	37.33	63.36	40.51	296.88	63.36

Page 2 SIB Calcs

Operating Conditions (Houston, Tx):	I						[
Atmospheric pressure, psia	Pa =	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Annual Avg. Daily solar insulation factor, Btu/ft^2 day	1=	1351	1351	1351	1351	1351	1351	1351
Annual Avg. Daily max. ambient temp, R	Tax =	539.1	539.1	539.1	539.1	539.1	539.1	539.1
Annual Avg. Daily min. ambient temp, R	Tan =	517.4	517.4	517.4	517.4	517.4	517.4	517.4
Annual Avg. Daily vapor temp. range, R	^Tv =	22.1	22.1	22.1	22.1	22.1	22.1	22.1
Annual Daily avg. liquid surface temp, R	Tla =	530.1	530.1	520.0	530.1	530.1	530.1	530.1
Annual Avg. Daily min. liquid surface temp., R	Tln =	524.6	524.6	515.0	524.6	524.6	524.6	524.6
Annual Avg. Daily max. liquid surface temp., R	Tlx =	535.6	535.6	525.0	535.6	535.6	535.6	535.6
Highest Month Daily solar insulation factor, Btu/ft^2 day	ml =	1898	1898	1898	1898	1898	1898	1898
Highest Month Daily max. ambient temp, R	mTax =	553.6	553.6	553.6	553.6	553.6	553.6	553.6
Highest Month Daily min. ambient temp, R	mTan =	532.5	532.5	532.5	532.5	532.5	532.5	532.5
Highest Month Daily vapor temp. range, R	m^Tv =	24.2	24.2	24.2	24.2	24.2	24.2	24.2
Highest Month Daily max. liquid surface temp., R	mTix =	551.7	551.7	525.0	551.7	551.7	551.7	551.7
Gas Constant, psia-ft^3/lb mole-R	R =	10.73	10.73	10.73	10.73	10.73	10.73	10.73
Vapor Density, lb/ft ³	Wv =	0.008	0.000	0.001	0.000	0.001	0.001	0.000
Daily vapor pressure range, psia	^Pv =	0.257	0.124	0.134	0.000	0.131	0.117	100.000
Vapor space expansion factor	Ke =	0.016	0.050	0.010	0.042	0.051	0.050	6.844
Vented vapor saturation factor	Ks =	0.604	0.929	0.954	1.000	0.950	0.954	1.000
Working Loss Product Factor	Kp =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turnovers	N =	3.95	5.10	43.16	2.30	0.50	1.16	75.17
Turnover factor	Kn =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Operating Days, days/yr	Days =	365	365	365	365	365	365	365

Page 3 SIB Calcs

TANK EMISSION SPECIATION

	Tank ID:	Т	1	Н	1	H	2	5	3	F	-		>	S	Τ]
	EPN:	T	1	H.	1	H	2		3	F)	S	T
Stream	wt frac.	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Isobutylene	0.8476	0.1147	0.0258												
Sodium Sulfide(salt)	0.0000	0.0000	0.0000												
Sodium Hydrosulfide (salt)	0.0000	0.0000	0.0000												1
Water	0.1524	0.0206	0.0046												
Hydrogen Peroxide 35%	0.2858			0.0006	0.0000										
Hydrogen Peroxide 10%	0.2191					0.0003	0.0000								
Sulfuric Acid	1.0000							0.0000	0.0000						
Ferric Chloride solution	0.0000									0.0000	0.0000				
water	1.0000									0.0155	0.0355				
Calcium Hydroxide	0.0000											0.0000	0.0000		
Water	1.0000											0.0139	0.0032		
Neutralization salts	0.0000													0.0000	0.0000
Water	0.0000													0.0000	0.0000

Speciation	lb/hr	TPY
Isobutylene	0.1147	0.0258
Sodium Sulfide(salt)	0.0000	0.0000
Sodium Hydrosulfide (salt)	0.0000	0.0000
Hydrogen Peroxide	0.0009	0.0000
Sulfuric Acid	0.0000	0.0000
Ferric Chloride solution	0.0000	0.0000
Calcium Hydroxide	0.0000	0.0000
Neutralization salts	0.0000	0.0000
Water	0.0500	0.0433

FUGITIVE EMISSION ESTIMATES

MATERIAL	FIN	VP (psia)	Liquid wt frac.	Stream Type LL,HL,G/V	Valves	lbs/hr	Flanges	lbs/hr	Gas/Vapor Valves	lbs/hr	Gas/Vapor Flanges	lbs/hr	Pumps	lbs/hr	Relief Valves	lbs/hr	Agitator	lbs/hr	Total lb/hr	EMISS (lb/hr)	SIONS (ton/yr)
isobutylene	T1	1.67428	0.0500	LL	8	0.00084	22	0.00033	0	0	0	0	1	0.002702	1	0.006879	1	0.000015	0.0005	0.0000	0.0001
Hydrogen peroxide 30%	H1	0.58773	0.3000	LL	8	0.00084	20	0.0003	0	0	0	0	1	0.002702	1	0.006879	0	0	0.0032	0.0010	0.0042
Hydrogen peroxide 10 %	H2	0.70865	0.1000	LL	16	0.00168	44	0.00066	0	0	0	0	1	0.002702	1	0.006879	1	0.000015	0.0012	0.0001	0.0005
		i																		0.0011	0.0049

 Total is multiplied by liquid weight fraction 365 days in service

Monitoring is performed in accordance with TCEQ AVO.

Valves	Flanges	G/V VIV	G/V Fing	Pumps	Relief Viv	Agitator
0.0035	0.0005			0.0386		0.0005
		0.0089	0.0029		0.2293	
0.0007	0.00007			0.0161		0.00007
97	97	97	97	93	97	97
0	0	30	30	0	0	0
	0.0035 0.0007	0.0035 0.0005 0.0007 0.00007 97 97 0 0	0.0035 0.0005 0.0089 0.0007 0.00007 97 97 97 0 0 30	0.0035 0.0005 0.0089 0.0029 0.0007 0.00007	0.0035 0.0005 0.0386 0.0089 0.0029 0.0007 0.00007 0.0161 97 97 97 97 93 0 0 30 30 0	0.0035 0.0005 0.0386 0.0089 0.0029 0.2293 0.0007 0.00007 0.0161 97 97 97 97 93 97 0 0 30 30 0 0

^{*} Per TNRCC guidance, fugitive emissions are not estimated for materials with vapor pressure < 0.002 psia.

PERMIT BY RULE APPLICABILITY

SUMMARY OF PROJECT CHEMICALS

CAS No.	Chemical	PBR
115-11-7	Isobutylene	106.261
772-84-1	Hydrogen peroxide	106.262
1313-82-2	Sodium Sulfide	106.472
16721-80-5	Sodium Hydrosulfide	106.472
7664-93-9	Sulfuric Acid solution	106.472
7705-08-0	Ferric chloride	106.472 / 106.532
1305-62-0	Calcium hydroxide	106.472 / 106.532
	Polymer solution	106.532
	Wastewater	106.532

SUMMARY OF PROJECT EQUIPMENT

Status	FIN	Description	Project Use	PBR
new	T1	10,000 gal capacity Vert Fixed Re	Treatment Tank	106.472 (2), 106.532
new	CSV	Casutic diffuser scrubber vessel	vent control	106.261 / 106.262
new	H1	5,500 gal capacity Horz Fixed Roof Tank	Hydrogen Peroxide 35% storage	106.262
new	H2	550 gal capacity tote	Hydrogen Peroxide 10% storage	106.262
new	S	220 gal capacity Vert Fixed Roof vessel	Sulfuric Acid Storage	106.472 (5)
existing	F	600 gal capacity Vert Fixed Roof	Ferric chloride storage	106.472 (3) / 106.532
existing	C	4,000 gal capacity Vert Fixed Ro	calcium hydroxide	106.472 (3) / 106.532
N/A	Р	55 gal drum	Polymer solution storage	106.532
existing	ST	sludge tank	Waste Water seperation	106.532

Storage Tanks

										2008	_
			Roof	Shell	Solar	Shell	Shell	Calculated	Fill/Withdraw	Annual	1
	TYPE	Orientation	Туре	Color	Absorptance	Diameter	Height/Length	Capacity	Rate	Rate	l
Tank ID	FXR or IFR	vert./horiz.	cone/dome		factor	(ft)	(ft)	(gal)	(gal/hr)	gal /year	ratio to SIE
T1	FXR	vert	cone	white	0.17	8.5	23.5	9,974.6	4,000.0	39,363]
H1	FXR	horiz	N/A	white	0.17	8.25	13.5	5,398.0	1,100.0	27,554	0.700
H2	FXR	vert	cone	white	0.17	4.5	4.6	547.2	550.0	23,618	0.600
S	FXR	vert	cone	white	0.17	4	10	940.0	50.0	2,165	0.055
F	FXR	vert	cone	white	0.17	4.5	5	594.8	50.0	295	0.008
С	FXR	vert	cone	white	0.17	12	5	4,229.8	50.0	4,920	0.125
Р	FXR	vert	cone	white	0.17	1.5	4	52.9	50.0	295	0.008
T2	FXR	vert	cone	white	0.17	8	22	8,271.7	50.0	70,657	1.795
ST	FXR	vert	cone	white	0.17	4	10	940.0	50.0	70,657	1.795
										days per week	4

30% 2,800.0 4,000.0

10% 2,400.0

sulfuric

weeks per yr

60%

 2,400.0
 36%

 220.0
 3%

 6,620.0
 100%

T1	H1	H2	S	F	С	P	T2	ST
}	Hydroxide	Hydroxide						
Treatment	Peroxide 30	Peroxide		ferric	calcium		Treatment	
tank initial	%	10 %	sulfuric Acid	chloride	hydroxide	polymer tank	tank final	Sludge tank

SIB PROJECT STREAMS

Material			_			STORAGE	<u>. </u>				STORAGE				
TREATMENT TANK befor								ANNUAL					XIMUM HOU		
O	TLV MW Antoine Constants (mg/m3) (lb/lb mole) A B C	,	Conc.	Liquid	Liquid	_		Max. A Part.	vapor	vapor	_ ~		Max. A Part.	•	vapor
Constituents Isobutylene	(mg/m3) (lb/lb mole) A B C - 56.1072 6.841 923.2 240	(lb/gal) 4.95	wt % 5.00	moles 0.0891	mole frac 0.0173	press. 0.6749	press. 0.6127	press. 0.7417	wt. 35.9543	wt. frac. 0.8476	press.	press.	press. 0.9649	wt. 35.954	wt. frac. 0.8476
Sodium Sulfide(salt)	78.03954 0 9999 1	11	2.50	0.0320	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.000	0.0000
Sodium Hydrosulfide (salt)		10.842	2.50	0.0446	0.0086	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.000	0.0000
Water	18 6.93897 1326.48 214.31		90.00	5.0000	0.9679	0.3783	0.3188	0.4469	6.4653 42.4	0.1524	0.0	0.0	0.7094 1.7	6.465	0.1524
			Total	5.∠ Total	Total	Pva	Pvn	Pvx	42.4 Mv	1.0 Total		Pvn	Pvx	42.4 Mv	1.0 Total
									,,,,						
		_	. [ANNUAL					XIMUM HOU		
Constituents	TLV MW Antoine Constants (mg/m3) (lb/lb mole) A B C	,	Conc.	Liquid	Liquid			Max. A Part.	vapor	vapor			Max. A Part.		vapor
Hydrogen Peroxide 35%	(mg/m3) (lb/lb mole) A B C 1.391 34.001 6.09 733.91 131.29	(lb/gal) 11.732	wt %	moles 0.8823	mole frac 0.1667	press. 0.0608	press. 0.0485	press. 0.0757	wt. 1.9634	wt. frac.	press.	press.	press.	wt.	wt. frac.
Water	18 6.93897 1326.48 214.31		70.00	3.8889	0.7346	0.0608	0.2420	0.0757	4.9067	0.2858 0.7142	•		0.0494 0.5384	1.963 4.907	0.0463 0.1157
	15 5155551 1525115 211151		100.00	4.7712	0.9012	0.3479	0.2904	0.4148	6.8701	1.0000	0.0000	0.0000	0.5877	6.8701	0.1620
			Total	Total	Total	Pva	Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Μv	Total
			_								,		COLUMN TURNS		
	TLV MW Antoine Constants	Density	Conc.	Liquid	Liquid	Ava Part	Min Part	ANNUAL Max. A Part.	vapor	vapor	Ava Part		XIMUM HOUF Max. A Part.		vapor
Constituents	(mg/m3) (lb/lb mole) A B C		wt %	moles	mole frac	press.	press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt. frac.
Hydrogen Peroxide 10%	1.391 34.001 6.09 733.91 131.29		10.00	0.2941	0.0556	0.0203	0.0162	0.0252	1.7702	0.2191			0.0165	1.770	0.0417
Water	18 6.93897 1326.48 214.31		90.00	5.0000	0.9444	0.3691	0.3111	0.4360	6.3086	0.7809	• 		0.6922	6.309	0.1487
		1	100.00 Total	5.2941 Total	1.0000	0.3894	0.3273 Pvn	0.4612	8.0787	1.0000	0.0000	0.0000	0.7086	8.0787	0.1904
			lotai	Total	Total	Pva	PVn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total
			Γ					ANNUAL			I	MA	XIMUM HOUR	ALY	
.	TLV MW Antoine Constants		Conc.	Liquid	Liquid	Avg. Part.		Max. A Part.	vapor	vapor			Max. A Part.	vapor	vapor
Constituents Sulfuric Acid	(mg/m3) (lb/lb mole) A B C 1 98.07 10.468 4145.84 273.15	(lb/gal)	wt %	moles 1.0197	mole frac	press. 0.0000	press.	0.0000	wt.	wt. frac.	press.	press.	press. 0.0000	wt.	wt. frac.
Sulturic Acid	1 98.07 10.468 4145.84 273.15	15.27	100	1.0197	1.0000	0.0000	0.0000	0.0000	98.0700 98.0700	1.0000	0.0000	0.0000	0.0000	98.070 98.070	1.0000
			Total	Total	Total	Pva	Pvn	Pvx	Mv	Total		Pvn	Pvx	Mv	Total
			_												
	TIM ANN Assets Oscalar	D16		13-34		A David	M: 0-4	ANNUAL					XIMUM HOUF		
Constituents	TLV MW Antoine Constants (mg/m3) (lb/lb mole) A B C	Density (lb/gal)	Conc. wt %	Liquid moles	Liquid mole frac	Avg. Part. press.	Min. Part. press.	Max. A Part. press.	vapor wt.	vapor wt. frac.	Avg. Part. press.	Min. Part. press.	Max. A Part. press.	vapor wt.	vapor wt. frac.
Ferric Chloride solution	162.2 0 9999 1		10.00	0.0617	0.0122	0.0000	0.0000	0.0000	0.0000	0.0000	pross.		0.0000	0.000	0.0000
water	18 6.93897 1326.48 214.31		90.00	5.0000	0.9878	0.3861	0.3254	0.4560	18.0000	1.0000			0.7240	18.000	1.0000
		1	100.0	5.0617	1.0000	0.3861	0.3254	0.4560	18.0000	1.0000	0.0000	0.0000	0.7240	18.000	1.0000
			Total	Total	Total	Pva	Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total
			Г					ANNUAL				MA	KIMUM HOUP	RLY	
	TLV MW Antoine Constants	,	Conc.	Liquid	Liquid	Avg. Part.		Max. A Part.	vapor	vapor			Max. A Part.	vapor	vapor
Constituents	(mg/m3) (lb/lb mole) A B C	(lb/gal)	wt %	moles	mole frac	press.	press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt. frac.
Calcium Hydroxide Water	74.0946 0 9999 1 18 6.93897 1326.48 214.31		35.00 65.00	0.4724 3.6111	0.1157 0.8843	0.0000 0.3456	0.0000 0.2913	0.0000 0.4083	0.0000	0.0000			0.0000 0.6481	0.000 18.000	0.0000 1.0000
	10 0.00007 1020.40 214.31		100.0	4.0835	1.0000	0.3456	0.2913	0.4083	18.0000	1.0000	0.0000	0.0000	0.6481	18.000	1.0000
			Total	Total	Total	Pva	Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total

															PROCESS	3			
TREATMENT TANK after of	exdiation						Γ					ANNUAL				MA	XIMUM HOUR	RLY	
	TLV	MW	Anto	ine Constai	nts	Density	Conc.	Liquid	Liquid	Avg. Part.	Min. Part.	Max. A Part.	vapor	vapor	Avg. Part.	Min. Part.	Max. A Part.	vapor	vapor
<u>Constituents</u>	(mg/m3) (lb/lb mole)	Α _	В	C	(lb/gal)	wt %	moles	mole frac	press.	press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt. frac.
Isobutylene		56.1072	6.841	923.2	240	5.004	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		••	0.0000	0.000	0.0000
Hydrogen Peroxide 10%	1.391	34.001	6.09	733.91	131.29	11.732	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.000	0.0000
Water		18	6.93897	1326.48	214.31	8.34	70.00	3.8889	0.8682	0.3393	0.2860	0.4008	18.0000	1.0000			0.6363	18.000	1.0000
Salts		50	0	9999	1	12.72	29.00	0.5800	0.1295	0.0000	0.0000	0.0000	0.0000	0.0000	1		0.0000	0.000	0.0000
Sulfuric Acid	1	98.07	10.468	4145.84	273.15	15.27	1.00	0.0102	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	<u></u>		0.0000	0.000	0.0000
						-	100.0	4.4791	1.0000	0.3393	0.2860	0.4008	18.0000	1.0000	0.0000	0.0000	0.6363	18.000	1.0000
							Total	Total	Total,	Pva	Pvn	Pvx	Mv	Total	Pva	Pvn	Pvx	Mv	Total

Product						ſ					ANNUAL				MAX	KIMUM HOUR	LY	
	TLV MW	Anto	ine Constai	nts	Density	Conc.	Liquid	Liquid	Avg. Part.	Min. Part.	Max. A Part.	vapor	vapor	Avg. Part.	Min. Part.	Max. A Part.	vapor	vapor
Constituents	(mg/m3) (lb/lb mole)	Α	В	_ C	(lb/gal)	wt %	moles	mole frac	press.	press.	press.	wt.	wt. frac.	press.	press.	press.	wt.	wt. frac.
Neutralization salts	50	0	9999	1	12.72	30.00	0.6000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.000	0.0000
Water	18 (6.93897	1326.48	214.31	8.34	70.00	0.6000	1.0000	0.0000	0.0000	100.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.0000
					-	100.00	1.2000	2.0000	0.0000	0.0000	100.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	0.0000
						Totai	Total	Total	Pva	Pvn	Pvx	Mν	Total	Pva	Pvn	Pvx	Mv	Total

Sulfurized Isobutylene component properties conservatively based on more volatile Isobutylene.

CES ENVIRONMENTAL SERVICES

CES ENVIRONMEN	NIAL SE	RVICES					
			Methylene Chloride mixture 2007	321,934	Р	35,770	G
Committee		L-t-B	Possibility of	05.			
Generator	Job#	Job Date	Description	Qty	P		
PPG Industries, Inc	44092	06/29/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	44,240	P		
PPG Industries, Inc	45061	07/14/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	39,040	P		
PPG Industries, Inc	45587	07/23/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	46,720	Р		
PPG Industries, Inc	45589	07/23/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	43,000	Р		
PPG Industries, Inc	46643	08/08/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	36,760	Р		
PPG Industries, Inc	46753	08/11/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	39,674	Р		
PPG Industries, Inc	46752	08/11/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	37,500	Р		
PPG Industries, Inc	47324	08/18/07	Waste dichloromethane, 6.1, UN1593, PG III (FOR RECYCLE)	35,000	P		

PBR EVALUATION SUMMARY

Methylene Chloride 2007 actual emissions

Transloading

		,		Lii	mit	Act	tual
Chemical	CAS	TLV	PBR	lb/hr	tpy	lb/hr	tpy
MeCl2	75-09-2	26	262	0.077	0.336	0.054	0.212
Water	7732-18-5	N/A	N/A	N/A	N/A	N/A	N/A
Diesel	68334-30-5	N/A	261	6.0	10.0	0.008	0.000

Water Unloading and Distillation

				Lii	mit	Ac	tual
Chemical	CAS	TLV	PBR	lb/hr	tpy	lb/hr	tpy
MeCl2	75-09-2	26	262	0.130	0.569	0.040	0.070
Water	7732-18-5	N/A	N/A	N/A	N/A	N/A	N/A
Diesel	68334-30-5	N/A	261	6.0	10.0	0.036	0.000

Note: The transloading step and distillation step do not occur in the same hour or the same location. Emissions resulting from each step are therefore evaluated separately.

Diesel is evaluated as a refinery petroleum faction containing < 10% benzene [106.261(a)(2)]

for 106.262 E = L/K

For Transloading

Distance to nearest offsite receptor: D = 125 ft

<= 339

For water unloading and distillation

Distance to nearest offsite receptor: D = 200 ft

= 200

Chemical Properties

			Density		Antoine's	
Chemical	CAS	MW	lb/gal	Α	В	С
MeCl2	75-09-2	84.933	11.1339	7.0803	1138.91	231.46
Water	7732-18-5	18	8.34	6.09	733.91	131.29
Diesel	68334-30-5	130	7.1	7.117	2209.1	275

CES Environmental Services Fugutive Emissions

Methylene Chloride Transloading

			Emission	Operating	Uncontrolle	ed Emissions	Control	Controlled	Emissions
Component Type	Service	Quantity	Factor	Schedule	lb/hr	tpy	Efficiency	lb/hr	tpy
Valves	Light Liquid	4	0.0035	8760	0.01	0.06	30	0.01	0.04
Valves	Gas/Vapor	0	0.0089	8760	0.00	0.00	30	0.00	0.00
Flanges	Light Liquid	10	0.0005	8760	0.01	0.02	30	0.00	0.02
Flanges	Gas/Vapor	4	0.0029	8760	0.01	0.05	30	0.01	0.04
Pumps	Light Liquid	1	0.0386	8760	0.04	0.17	30	0.03	0.12
							Totals	0.05	0.21

It is conservatively assumed that emissions from methylene chloride transloading consist entirely of methylene chloride (no water).

Distillation Tank

			Emission	Operating	Uncontrolle	d Emissions	Control	Controlled	Emissions
Component Type	Service	Quantity	Factor	Schedule	lb/hr	tpy	Efficiency	lb/hr	tpy
Valves	Light Liquid	4	0.0035	8760	0.01	0.06	30	0.01	0.04
Valves	Gas/Vapor	3	0.0089	8760	0.03	0.12	30	0.02	0.08
Flanges	Light Liquid	12	0.0005	8760	0.01	0.03	30	0.00	0.02
Flanges	Gas/Vapor	10	0.0029	8760	0.03	0.13	30	0.02	0.09
Pumps	Light Liquid	1	0.0386	8760	0.04	0.17	30	0.03	0.12
							Totals	0.08	0.35

Speciation		Controlled	Emissions
Material	Wt %	lb/hr	tpy
MeCl2	20	0.02	0.07
Water	80	0.06	0.28

CES Environmental Services Emissions from transloading of Methylene Chloride

The transloading process takes place in two steps. First from the in bound truck to the interface vessel, and then from the interface vessel to the product truck. The calculations shown here represent emissions from one of the steps. The result must then be doubled to determine the total emissions from the transloading process.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

540 R

P = 14.7 psia V (hourly) = 800 gal/hr =

V (hourly) = 800 gal/hr = 106.95 ft3/hrV (annual) = 35,770 gal/yr = 4782.09 ft3/yr Permit basis 450,000 gal/yr

R =

10.73 (psi*ft3)/(lbmole*R)

T =

80 F =

C = 100 ppmv VOC MW (MeCl2) 84.933 lb/lbmole MW (Diesel) 130 lb/lbmole

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000lb = n*MW = MW(PV/RT)

	moles/hr	moles/yr
n =	0.27	12.13
n (VOC) =	2.71E-05	1.21E-03

Emissions per step

Chemical	lb/hr	tpy
MeCl2	2.30E-03	5.15E-05
Diesel	3.53E-03	7.89E-05

Total Emissions from transloading

Chemical	lb/hr	tpy
MeCl2	4.61E-03	1.03E-04
Diesel	7.05E-03	1.58E-04

CES Environmental Services Emissions from unloading into distillation tank.

After the MeCl2 is removed from the bottom of the tank trailer, the water and residual disolved MeCl2 is pumped into a distillation tank.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

P =

14.7 psia

V (hourly) =

4000 gal/hr =

534.76 ft3/hr

Permit basis

V (annual) =

35,770 gal/yr =

4782.09 ft3/yr

450,000 gal/yr

R =

10.73 (psi*ft3)/(lbmole*R)

T =

80 F =

540 R

C = MW (MeCl2)

100 ppmv VOC 84.933 lb/lbmole

MW (Diesel)

130 lb/lbmole

PV = nRT

n = PV/RT

n(VOC) = n * C/1,000,000

 $lb = n^*MW = MW(PV/RT)$

moles/hr

moles/yr

n =

1.36

12.13

n (VOC) =

1.36E-04

1.21E-03

Emissions

Chemical	lb/hr	tpy
MeCl2	1.15E-02	5.15E-05
Diesel	1.76E-02	7.89E-05

CES Environmental Services Emissions from distillation tank.

The distillation tank is heated to 120F to remove MeCl2 overhead. The overhead vapors are then cooled to 70F. Flow rate is conservatively based on maximum vapor displacement.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

P = 14.7 psia

V (hourly) = 4000 gal/hr = 534.76 ft3/hr Permit basis V (annual) = 35,770 gal/yr = 4782.09 ft3/yr Permit basis 450,000 gal/yr

 $R = \frac{10.73 \text{ (psi*ft3)/(lbmole*R)}}{}$

T = 70 F = 530 R

C = 100 ppmv VOC MW (MeCl2) 84.933 lb/lbmole MW (Diesel) 130 lb/lbmole

 $\begin{aligned} PV &= nRT \\ n &= PV/RT \\ n(VOC) &= n * C/1,000,000 \\ lb &= n*MW = MW(PV/RT) \end{aligned}$

moles/hr moles VOC/hr

n = 1.38 12.36 n (VOC) = 1.38E-04 1.24E-03

1.002

Emissions

Chemical	lb/hr	tpy
MeCl2	1.17E-02	5.25E-05
Diesel	1.80E-02	8.03E-05

CES Environmental Services Emissions from transfer of recovered MeCl2 to interface and to tank truck

MeCl2 recovered in the accumulator vessel during the distillation process is transferred into the interface vessel and then into the product truck tank. As with transloading, calculations shown here represent emissions from one of the steps. The result must then be doubled to determine the total emissions from the transloading process.

Emissions are routed through a diesel scrubber and carbon adsorption bed with a maximum exhaust concentration of 100 ppmv VOC.

14.7 psia Permit basis V (hourly) = 80 gai/hr = 10.70 ft3/hr V (annual) = 715 gal/yr = 95.59 ft3/yr 9,000 gal/yr 10.73 (psi*ft3)/(lbmole*R) R =T = 80 F = 540 R 100 ppmv VOC C =MW (MeCl2) 84.933 lb/lbmole MW (Diesel) 130 lb/lbmole

PV = nRT n = PV/RT n(VOC) = n * C/1,000,000 lb = n*MW = MW(PV/RT)

	moles/hr	moles/yr
n =	0.03	0.24
n (VOC) =	2.71E-06	2.43E-05

Emissions per step

Chemical	lb/hr	tpy
MeCl2	2.30E-04	1.03E-06
Diesel	3.53E-04	1.58E-06

Total Emissions from transfer to interface vessel to truck

Chemical	lb/hr	tpy
MeCl2	4.61E-04	2.06E-06
Diesel	7.05E-04	3.15E-06

CES Environmental Services Hose Clearing/Disconnecting Emissions

Hose Length:

30 feet

Hose Diameter:

2 inch =

0.17 ft

Hose Volume:

0.0218 ft3

Events Per Year:

9

Transloading Hoses:

The hose from the pump to the product tank is blown with air into the product tank. The displaced vapors are vented through the diesel scrubber and carbon. Using the transloading calculation and the volume of a hose, the resulting emissions are:

Chemical	lb/hr	tpy
MeCl2	4.70E-07	2.11E-09
Diesel	7.19E-07	3.24E-09

Following the transloading operations, the hose connecting the inbound truck to the interface vessel is gravity drained into the interface vessel and then disconnected. At that time, the line would contain water with approximately 2% disolved MeCl2.

The displacement of vapors through the interface vessel to control is the same as calculated above assuming 100 ppmv concentration. This is very highly conservative given the small quantity of MeCl2 in the water.

Chemical	lb/hr	tpy
MeCl2	4.70E-07	2.11E-09
Diesel	7.19E-07	3.24E-09

Distillation Tank Transfer Hose:

The same calculation can also represent the disconnecting of the hose from the inbound truck to the distillation tank. Emissions from disconnecting the line are as follows. It is assumed the vapor remaining in the hose is saturated.

lb = MW*n = MW(PV/RT)

Liquid			Mole	-		Emissions		
MATERIAL	Composition (%)	MW (ib/ib-mole)	Fraction Temperature (F)		VPa (psia)	(lb/hr)	(tpy)	
MeCl2 Water	2.00 98.00	84.9 18.0	0.0878 0.9122	80 80	0.791 0.490	2.53E-04 3.32E-05	1.14E-06 1.49E-07	

Water Transferred: MeCL2 Transferred:

ţ

4000 gal 80 gal 4080

0.980392 0.019608



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/7/2009

Dear Karl Romero

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3374

Expiration Date 6/15/2011

Generator: Enviro Solutions - Baytown

Address: 11005 East I-10

Mont Belvieu, TX 77580

Waste Information

Name of Waste: High alcohol Wastewater w/oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

gasoline/oil tanking contact water

Color: clear Odor: alcohol pH: 6-9

Physical State:

Incompatibilities: oxidizers

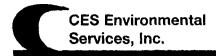
Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

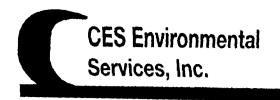
SECTION 1: Genera	ator Information											
Company :	Enviro Solutions - Ba	aytown										
Address :	11005 East I-10 110	005 East I-10										
City, State, Zip :	Mont Belvieu TX 775	80										
Contact :	Karl Romero				Tit	le:						
Phone No :	(409) 722-6880	and 27 command 27 command 28 formers for any command 27 command 27 command 27 command 27 command 27 command 27			Fa	x :						
24 / HR Phone :												
U.S EPA I.D No :	TXR000055681											
State I.D :	A85786				SIC	C Code	9					
SECTION 2: Billing	Information											
Company:	Enviro Solutions - Ba	aytown										
Address:	11005 East I-10 110	005 East I-10										
City, State, Zip:	Mont Belvieu TX 775	580										
Contact :	Karl Romero				Ti	tle :						
Phone No :	(409) 722-6880				Fa	ax:			•			
SECTION 3: Gener	al Description of the V	Vaste										
Name of Waste :	High alcohol Waster	water w/oily wat	er									
Detailed Descrip	tion of the Process	Generating Wa	ste:									
gasoline/oil tankir	ng contact water											
Physical State :	Liquid	Sluc	ige		Powde	er						
	Solid	Filte	er Cake		Comb	ination						
Color:		clear		Odor	:		m () ()			alcohol		
Specific Gravity	(Water=1) :	.96		Densi	ty:				7.5-8	.	!	bs / gal
Does this material	contain any total phe	nolic compounds	; ?	Yes	[✓ No						
	contain any para sub			nds?		Yes	✓	No				
Is the Waste subje	ect to the benzene was	te operation NES	SHAP? (40	CFR Par	t 61, Su	ıbpart F	F)		Yes	✓	No	
2812 2813 2861 2865	2816 2819 2821 2869 2873 2874	2822 2823 2876 2879	2824 2891				2836 2899	2841 2911	2842 3312	2843 4953	2844 4959	2851 9511
Layers:	✓ Single-Pha		lti-Phase									
Container Type		Tote		Truck		other (e	explain	1)				
Container Size :	- 🔄											
Number Of Unit												
Is this a USEPA	" Hazardous Waste" polease complete, sign ar			☐ Ye		✓ No		hereto				
If "Yes", then p			, g ,									

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply) Is this an "P" or "K" Listed waste or mixed with one? Yes V No If "Yes", then please list ALL applicable codes: Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR Yes V No If "Yes", then please list ALL applicable codes: Texas State Waste Code No: Recycle Proper U.S. State Waste Code No: Non-RCRANNon DOT regulated waste water (per 49 CFR 173.150 (a)(2)) Class: na UNNA: na PG: na Reactive Cyanides Solida Flash Point Flash Point Flash Point Flash Point GOR-FOK mg/l 1:2 mg/l na mg/l na mg/l 1:3 mg/l Oil and Grease Flood GOR-FOK mg/l 1:2 mg/l 0.1 mg/l 0.3 mg/l SECTION 4: Physical and Chemical Data COMPONENTS TABLE The material / product consists of the following materials Ranges are acceptable or % methanolethanol (flash point <100) 5:10 % SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. std SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. std SECTION 5: Attached Supporting Documenta List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES analytical SECTION 5: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge: X TCLP Volatile: X TCLP Volatile: X TCLP Volatile: X TCLP Volatile: X Reactivity: X Z	Characteristic for Toxic Mo		D00)5 🔲 D006		D007				
Is this an "F" or "K" Listed waste or mixed with one?		_ D008	_ D00	09 🗌 D010		0011				
If "Yes", then please list ALL applicable codes: Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR	Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)									
If "Yes", then please list ALL applicable codes: Is this a commercial product or split cleanup that would carry a "U" or "P" waste code under 40 CFR	To this an "E" or "Y" Listed weeks on mixed with and?									
Is this a commercial product or splil cleanup that would carry a "U" or "P" waste code under 40 CFR			r	tes	A MO					
26.1.3(e) or (f)? If "Yes", then please list ALL applicable codes: Texas State Waste Code No: Recycle Proper U.S. State Waste Code No: Non-RCRA/Non DOT regulated waste water (per 49 CFR 173.150 (e)(2)) Class: na UN/NA: na PG: na RQ: na Flash Point of the Company of the Non-RCRA/Non DOT regulated waste water (per 49 CFR 173.150 (e)(2)) Oil and Grease TOC Zinc Copper Nicket na mg/l na mg/l old mg/l ol			(.					}		
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Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated waste water (per 49 CFR 173,150 (e)(2)) Class : na	If "Yes", then please li	ist ALL applicable code	es:							
Class : na	Texas State Waste Code	No: Rec	cycle							
Class : na	Proper U.S. State Waste	Code No :	Non-R	CRA/Non DOT re	gulated	l waste water (per 49 CFF	R 173.150 (e)(2))			
Coll and Grease	•							na		
Oil and Grease	Flash Point	рН		Reactive Sulfid	es	Reactive Cyanides	Solids	;		
SECTION 4: Physical and Chemical Data COMPONENTS TABLE The material / product consists of the following materials Ranges are acceptable or % methanol/ethanol (flash point <100) water oil (flash point >160) SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. std SECTION 6: Attached Supporting Documents List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES analytical SECTION 7: Incompatibilities Please list all incompatibilities (if any): oxidizers SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge TCLP Metals: X TCLP Semi-Volatilies: X TCLP Semi-Volatilies: X Reactivity: X	<100	6-9	ł	na	mg/l	na mg/l	<1	%		
SECTION 4: Physical and Chemical Data COMPONENTS TABLE COncentration The material / product consists of the following materials The material / product consists of the following materials The material / product consists of the following materials The material / product consists of the following materials The material / product consists of the following materials The material / product consists of the following materials The material / product consists of the following materials The material / product consists of the following materials Ranges are acceptable or % The material / product consists of the following materials Ranges are acceptable or % The material / product consists of the following materials PECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. SECTION 6: Attached Supporting Documents List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES analytical SECTION 7: Incompatibilities Please list all incompatibilities Please list all incompatibilities (if any): oxidizers SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge TCLP Metals: X TCLP Volatilies: X TCLP Semi-Volatiles: X Reactivity: X	Oil and Grease	TOC		Zinc		Copper	Nicke			
COMPONENTS TABLE The material / product consists of the following materials Ranges are acceptable or % methanol/ethanol (flash point <100)	>1500 mg/l	60K-70K r	mg/l	1-2	mg/l					
COMPONENTS TABLE The material / product consists of the following materials Ranges are acceptable or % methanol/ethanol (flash point <100)										
The material / product consists of the following materials methanol/ethanol (flash point <100) water 76-85 % oil (flash point >160) 5-10 % SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. std SECTION 5: Attached Supporting Documents List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES analytical SECTION 7: Incompatibilities Please list all incompatibilities Please list all incompatibilities (if any): oxidizers SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge TCLP Metals: X TCLP Metals: X TCLP Volatilies: X TCLP Volatilies: X TCLP Volatilies: X TCLP Semi-Volatiles: X Reactivity: X	SECTION 4: Physical and Ch	nemical Data								
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TCLP Volatilies: X TCLP Semi-Volatiles: X Reactivity: X		•								
TCLP Semi-Volatiles : \underline{x} Reactivity : \underline{x}										
Reactivity: X		_								
	Reactivity:	<u> </u>		2						

Corro	osivity : <u>x</u>				
Ignital	ability: <u>x</u>				
SECTIO	TON 9: Waste Receipt Classification	Under 40 CFR 437			
Is this	s material a wastewater or wastew	ater sludge ?	✓ YES	□NO	
	S', complete this section	· ·			
	•	DOV. IE NO ADD	00001475	01770001/ 00 70	
	ASE CHECK THE APPROPRIATE	BOX: IF NO APP	KOPRIATE	CATEGORY, GO TO	THE NEXT PAGE
Matals	ls Subcategory: Subpart A				
	Spent electroplating baths and/o	_			
	Metal finishing rinse water and s	ludges			
	Chromate wastes				
	Air pollution control blow down w	ater and sludges			
	Spent anodizing solutions				
	Incineration wastewaters				
	Waste liquid mercury				
	Cyanide-containing wastes grea Waste acids and bases with or v	_			
	Cleaning, rinsing, and surface p		o from alact	ranlatina ar nhaenh	
	Vibratory deburring wastewater	eparation solution	is iloili cicol	Topiating or priospri	
	Alkaline and acid solutions used	to clean metal na	nts or equipr	ment	
	Alkaline and acid solutions used	to cican metal pa	ito oi equipi	none	
Oile S	Subcategory: Subpart B				
	Used oils				
	Oil-water emulsions or mixtures				
Ä	Lubricants				
	Coolants				
	Contaminated groundwater clea	n-up from petrolet	ım sources		
	Used petroleum products				
	Oil spill clean-up				
	Bilge water				
	Rinse/wash waters from petrole	um sources			
	Interceptor wastes				
	Off-specification fuels				
	Underground storage remediation				
	Tank clean-out from petroleum	or oily sources			
	Non-contact used glycols				
	Aqueous and oil mixtures from		rations		
	Wastewater from oil bearing pai	nt washes			
_	L. O. L. Granner Culturant C				
Orgai	anics Subcategory Subpart C Landfill leachate				
	Contaminated groundwater clea	n-up from non-pe	troleum sour	rces	
V	Solvent-bering wastes				
	Off-specification organic produc	t			
	Still bottoms				
	Byproduct waste glycol				
	Wastewater from paint washes				
	Wastewater from adhesive and	or epoxies formul	ation		
	Wastewater from organic chem				

Tank clean-out from organic, non-petroleum sources					
1) If the waste contains oil and grease at or in excess of 100 mg/L, the	vaste should be classified in the oils subcategory				
2) If the waste contains oil and grease less than 100 mg/L, and has any excess of the values listed below, the waste should be classified in the					
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L					
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.					
☐ Metals Subcatego					
☐ Oils Subcatego					
✓ Organics Subcategory					
SECTION 10: Additional Instruction					
Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to concentrations. This will be prior to acceptance. The generator will be re SECTION 11: Generator's Certification					
The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.					
Authorized Signature :	Date: 6/15/2009				
Printed Name / Title: Eric McCallum / 6/15/09					
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information :				
Owelland Officers Deckholor Thongudu	.25/gal FOB CES				
Compliance Officer: Prabhakar Thangudu	• 100				
Date: 6/15/2009 Status: Approved Reject	ed				
Approval Number: HOU-3374					

Pls Pet this with Bruce Honord File



Waste Pre-Acceptance/Approval Letter

Date 7/7/2009

Dear Karl Romero

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3374

Expiration Date 6/15/2011

Generator: Enviro Solutions - Baytown

Address: 11005 East I-10

Mont Belvieu, TX 77580

Waste Information

Name of Waste: High alcohol Wastewater w/oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

gasoline/oil tanking contact water

Color: clear Odor: alcohol pH: 6-9

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

19 4

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

050510114.0	1 1 . 6 43												
SECTION 1: Genera		Dautaum											
Company:	Enviro Solutions 11005 East I-10		+ 1 10										
Address:	Mont Belvieu TX		(1- 10							~			
City, State, Zip : Contact :	Karl Romero	. 11300					rida .						
Phone No :	(409) 722-6880						Γitle : Fax :						
24 / HR Phone :	(409) 722-0000						rax :			·			
U.S EPA I.D No:	TXR000055681												
State I.D :	A85786		and the second section of the section of the section o	·			SIC Cod	ما					
State i.b.:	A03700			was a same realized and a			310 000						
SECTION 2: Billing	Information												
Company:	Enviro Solutions	s - Baytown											
Address :	11005 East I-10	11005 Eas	it I-10		v								
City, State, Zip:	Mont Belvieu TX	〈 77580											
Contact:	Karl Romero						Title:						
Phone No :	(409) 722-6880						Fax :			•			
SECTION 3: Gener	al Description of	the Waste											
Name of Waste :			oily water	•									
Detailed Descrip													
gasoline/oil tankii													
_			A: 1		ſ	D							
Physical State:	Liquid		Sludg	je	Į	POV	vder						
	Solid		Filter	Cake	{	Cor	nbinatìo	n					
Color:			clear		Odo	r:					alcohol	<u></u>	
Specific Gravity	(Water=1) :		.96		Den	sity:				7.5-8		1k	os / gal
Does this materia	l contain any total	phenolic cor	mpounds?	,	Yes		✓ No						
Does this materia					nds?		Yes	V	No				
is the Waste subj						art 61,	Subpart	FF)		Yes	V	No	
2812 2813		821 2822		2824		2834	2835	2836	2841	2842	2843	2844	2851
2861 2865		874 2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers :	⊘ Single	-Phas	■ Mult	i-Phas	e								
Container Type	: Drum		Tote	V	Truck		Other	(explai	n)	w =			
Container Size	: 5000												
Number Of Unit	ts: 2												
If "Yes", then	"Hazardous Was	gn and date t	FR 261.3? he Underlyi	? ing Haza	\[\] \\ \text{ardous Co}		☑ N ints Form		d hereto				

Characteristic for Toxic Met		005		0007 0011	
Characteristics for Toxic O	rganics: D012 thru D043 (-			
Is this an "F" or "K" Listed If "Yes", then please list		Yes	✓ No		
Is this a commercial product 261.33(e) or (f)?	ct or spill cleanup that wo	uld carry a "U" or	"P" wast	te code under 40 CFR 🔲 Y	es 🗸 No
If "Yes", then please lis	st ALL applicable codes:				
Texas State Waste Code N	No: Recycle				
Proper U.S. State Waste C	ode No: Non-	RCRA/Non DOT	egulated	waste water (per 49 CFR 173	3.150 (e)(2))
Class: na	UN/NA: na		PG:	na	RQ: na
Flash Point <100	рН 6-9	Reactive Sulf		Reactive Cyanides	Solids
		na	mg/l	na mg/l	<1 %
Oil and Grease >1500 mg/l	TOC 60K-70K mg/l	Zinc 1-2	mg/l	Copper 0-1 mg/l	Nickel 0-3 mg/
SECTION 4: Physical and Ch	emical Data				
	COMPONENTS TABLE			Concentration	Units
	roduct consists of the fo		s	Ranges are accept	
n	nethanol/ethanol (flash point < water	<100)		<24 76-85	% %
	oil (flash point >160)			5-10	%
SECTION 5: Safety Related D If the handling of this was		necial protective	eauipme	ent, please explain.	
std	ste requires the use of sp	colai proteotive	oquipini	sine, produce expression	
SECTION 6: Attached Suppo		tacked to this fa	*** 00 no	art of the weets approval na	rkana
CES analytical	, data, and/or analysis at	tached to this to	riii as pe	art of the waste approval pa	, nage.
•					
SECTION 7: Incompatibilities					
Please list all incompatib oxidizers	ilities (if any):				
UNICIZOTO .					
SECTION 8: Generator's Kno	owledge Documentation				
	e hazardous waste chara	acteristics, listed	below,	WAS NOT PERFORMED bas	ed upon the
TCLP Metals :	······································				
, OEI MCLAIG.	X				
TCLP Volatilies :	<u>x</u> x				
TCLP Volatilies : TCLP Semi-Volatiles :					

Corros	osivity : <u>x</u>			
lgnitat	ability: <u>x</u>			
SECTIO	FION 9: Waste Receipt Classification Und	er 40 CFR 437		
Is this	s material a wastewater or wastewater	sludge?	✓ YES	□ NO
If 'YES	ES', complete this section			
	•	X: IF NO APP	ROPRIATE	CATEGORY, GO TO THE NEXT PAGE
	als Subcategory: Subpart A			TO THE NEXT PAGE
Matais	Spent electroplating baths and/or slu	idaes		
	Metal finishing rinse water and sludg	-		
\Box	Chromate wastes			
	Air pollution control blow down water	and sludges		
	Spent anodizing solutions			
	Incineration wastewaters			
	Waste liquid mercury			
	Cyanide-containing wastes greater t	han 136 mg/l		
	Waste acids and bases with or without	out metals		
	Cleaning, rinsing, and surface prepa	ration solution	is from elec	troplating or phosph
	Vibratory deburring wastewater			
	Alkaline and acid solutions used to o	clean metal pa	rts or equip	ment
Oils S	Subcategory: Subpart B			
	- ·			
	Oil-water emulsions or mixtures			
	Lubricants			
		a fram natrala	im coutone	
	Contaminated groundwater clean-up	ı ilolli beliolei	um sources	
	Used petroleum products Oil spill clean-up			
	Rinse/wash waters from petroleum	sources		
	Interceptor wastes			
		vastes		
\Box				
	Aqueous and oil mixtures from part	s cleaning ope	erations	
] Wastewater from oil bearing paint v	vashes		
Orga	ganics Subcategory Subpart C Landfill leachate			
	Contaminated groundwater clean-u	ip from non-pe	etroleum so	urces
V	Solvent-bering wastes			
	Off-specification organic product			
	_			
	Wastewater from organic chemica	product opera	ations	

Tank clean-out from organic, non-petroleum sources							
(1) If the waste contains oil and grease at or in excess of 100 mg/	L, the waste should be classified in the oils subcategory						
(2) If the waste contains oil and grease less than 100 mg/L, and h excess of the values listed below, the waste should be classificated.							
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L							
(3) If the waste contains oil and grease less than 100 mg/L, and or nickel above any of the values listed above, the waste should be contained in the contained of the contained	loes not have concentrations of cadmium, chromium, copper, ald be classified in the organics subcategory.						
☐ Metals Subcatego							
☐ Oils Subcatego							
✓ Organics Subcategory							
SECTION 10: Additional Instruction							
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.							
SECTION 11: Generator's Certification							
The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.							
Authorized Signature :	Date: 6/15/2009						
Printed Name / Title: Eric McCallum / 6/15/09							
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information :						
Compliance Officer: Prabhakar Thangudu	.25/gal FOB CES						
Ad	Rejected						
Date: 6/15/2009 Status: Approved	rejected						
Approval Number: HOU-3374							

Material Safety Data Sheet Methyl Alcohol, Reagent ACS, 99.8% (GC)

ACC# 95294

Section 1 - Chemical Product and Company Identification

MSDS Name: Methyl Alcohol, Reagent ACS, 99.8% (GC)

Catalog Numbers: AC423950000, AC423950010, AC423950020, AC423955000, AC9541632,

AC423952

Synonyms: Carbinol; Methanol; Methyl hydroxide; Monohydroxymethane; Pyroxylic spirit; Wood alcohol; Wood naptha; Wood spirit; Monohydroxymethane; Methyl hydrate.

Company Identification:

Acros Organics N.V. One Reagent Lane Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01 For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
	Methyl alcohol	99+	200-659-6

Hazard Symbols: TF

Risk Phrases: 11 23/24/25 39/23/24/25

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless. Flash Point: 11 deg C. Poison! Cannot be made non-poisonous. Causes eye and skin irritation. May be absorbed through intact skin. This substance has caused adverse reproductive and fetal effects in animals. **Danger!** Flammable liquid and vapor. Harmful if inhaled. May be fatal or cause blindness if swallowed. May cause central nervous system depression. May cause digestive tract irritation with nausea, vomiting, and diarrhea. Causes respiratory tract irritation. May cause liver, kidney and heart damage.

Target Organs: Kidneys, heart, central nervous system, liver, eyes.

Potential Health Effects

Eye: Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause painful sensitization to light.

Skin: Causes moderate skin irritation. May be absorbed through the skin in harmful amounts. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.

Ingestion: May be fatal or cause blindness if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause cardiopulmonary system effects.

Inhalation: Harmful if inhaled. May cause adverse central nervous system effects including

headache, convulsions, and possible death. May cause visual impairment and possible permanent blindness. Causes irritation of the mucous membrane.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion. Chronic exposure may cause reproductive disorders and teratogenic effects. Laboratory experiments have resulted in mutagenic effects. Prolonged exposure may cause liver, kidney, and heart damage.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: Effects may be delayed. Ethanol may inhibit methanol metabolism.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May be ignited by heat, sparks, and flame.

Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. For large fires, use water spray, fog or alcohol-resistant foam. Do NOT use straight streams of water.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8. **Spills/Leaks:** Scoop up with a nonsparking tool, then place into a suitable container for disposal. Use water spray to disperse the gas/vapor. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. **Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Keep containers tightly closed. Do not store in aluminum or lead containers.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use only under a chemical fume hood.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methyl alcohol	200 ppm TWA; 250 ppm STEL; skin - potential for cutaneous absorption	200 ppm TWA; 260 mg/m3 TWA 6000 ppm IDLH	200 ppm TWA; 260 mg/m3 TWA

OSHA Vacated PELs: Methyl alcohol: 200 ppm TWA; 260 mg/m3 TWA; 250 ppm STEL; 325

mg/m3 STEL

Personal Protective Equipment

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR §1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace

conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid Appearance: clear, colorless Odor: alcohol-like - weak odor

pH: Not available.

Vapor Pressure: 128 mm Hg @ 20 deg C

Vapor Density: 1.11 (Air=1) Evaporation Rate: 5.2 (Ether=1) Viscosity: 0.55 cP 20 deg C

Boiling Point: 64.7 deg C @ 760.00mm Hg

Freezing/Melting Point:-98 deg C

Autoignition Temperature: 464 deg C (867.20 deg F)

Flash Point: 11 deg C (51.80 deg F)

Decomposition Temperature: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 3; Reactivity: 0

Explosion Limits, Lower: 6.0 vol %

Upper: 36.00 vol % **Solubility:** miscible

Specific Gravity/Density:.7910g/cm3

Molecular Formula:CH40 Molecular Weight:32.04

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: High temperatures, incompatible materials, ignition sources, oxidizers. Incompatibilities with Other Materials: Acids (mineral, non-oxidizing, e.g. hydrochloric acid, hydrofluoric acid, muriatic acid, phosphoric acid), acids (mineral, oxidizing, e.g. chromic acid, hypochlorous acid, nitric acid, sulfuric acid), acids (organic, e.g. acetic acid, benzoic acid, formic acid, methanoic acid, oxalic acid), azo, diazo, and hydrazines (e.g. dimethyl hydrazine, hydrazine, methyl hydrazine), isocyanates (e.g. methyl isocyanate), nitrides (e.g. potassium nitride, sodium nitride), peroxides and hydroperoxides (organic, e.g. acetyl peroxide, benzoyl peroxide, butyl peroxide, methyl ethyl ketone peroxide), epoxides (e.g. butyl glycidyl ether), Oxidants (such as barium perchlorate, bromine, chlorine, hydrogen peroxide, lead perchlorate, perchloric acid, sodium hypochlorite)., Active metals (such as potassium and magnesium)., acetyl bromide, alkyl aluminum salts, beryllium dihydride, carbontetrachloride, carbon tetrachloride + metals, chloroform + heat, chloroform + sodium hydroxide, cyanuric chloride, diethyl zinc, nitric acid, potassium-tert-butoxide, chloroform + hydroxide, water reactive substances (e.g. acetic anyhdride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane).

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, formaldehyde.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 67-56-1: PC1400000

LD50/LC50: CAS# 67-56-1:

Draize test, rabbit, eye: 40 mg Moderate; Draize test, rabbit, eye: 100 mg/24H Moderate;

Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, skin: 20 mg/24H Moderate;

Inhalation, rat: LC50 = 64000 ppm/4H;

Oral, mouse: LD50 = 7300 mg/kg; Oral, rabbit: LD50 = 14200 mg/kg; Oral, rat: LD50 = 5628 mg/kg; Skin, rabbit: LD50 = 15800 mg/kg;

Carcinogenicity:

CAS# 67-56-1: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: Methanol has been shown to produce fetotoxicity in the embryo or fetus of laboratory animals. Specific developmenta laboratory animals. Specific developmenta laboratory animals urogenital systems.

Teratogenicity: Effects on Newborn: Behaviorial, Oral, rat: TDLo=7500 mg/kg (female 17-19 days after conception). Effects on Embryo or Fetus: Fetotoxicity, Inhalation, rat: TCLo=10000

ppm/7H (female 7-15 days after conception). Specific Developmental Abnormalities: Cardiovascular, Musculoskeletal, Urogenital, Inhalation, rat: TCLo=20000 ppm/7H (7-14 days after conception).

Reproductive Effects: Paternal Effects: Spermatogenesis: Intraperitoneal, mouse TDLo=5 g/kg (male 5 days pre-mating). Fertility: Oral, rat: TDLo = 35295 mg/kg (female 1-15 days after conception). Paternal Effects: Testes, Epididymis, Sperm duct: Oral, rat: TDLo = 200 ppm/20H (male 78 weeks pre-mating).

Neurotoxicity: No information available.

Mutagenicity: DNA inhibition: Human Lymphocyte = 300 mmol/L. DNA damage: Oral, rat = 10 umol/kg. Mutation in microorganisms: Mouse Lymphocyte = 7900 mg/L. Cytogenetic analysis: Oral, mouse = 1 gm/kg.

Other Studies: Standard Draize Test(Skin, rabbit) = 20 mg/24H (Moderate) S tandard Draize Test: Administration into the eye (rabbit) = 40 mg (Moderate). Standard Draize test: Administration into the eye (rabbit) = 100 mg/24H (Moderate).

Section 12 - Ecological Information

Ecotoxicity: Fish: Fathead Minnow: 29.4 g/L; 96 Hr; LC50 (unspecified) Goldfish: 250 ppm; 11 Hr; resulted in death Rainbow trout: 8000 mg/L; 48 Hr; LC50 (unspecified) Rainbow trout: LC50 = 13-68 mg/L; 96 Hr.; 12 degrees C Fathead Minnow: LC50 = 29400 mg/L; 96 Hr.; 25 degrees C, pH 7.63 Rainbow trout: LC50 = 8000 mg/L; 48 Hr.; Unspecified ria: Phytobacterium phosphoreum: EC50 = 51,000-320,000 mg/L; 30 minutes; Microtox test No data available.

Environmental: Dangerous to aquatic life in high concentrations. Aquatic toxicity rating: TLm 96>1000 ppm. May be dangerous if it enters water intakes. Methyl alcohol is expected to biodegrade in soil and water very rapidly. This product will show high soil mobility and will be degraded from the ambient atmosphere by the reaction with photochemically produced hyroxyl radicals with an estimated half-life of 17.8 days. Bioconcentration factor for fish (golden ide) < 10. Based on a log Kow of -0.77, the BCF value for methanol can be estimated to be 0.2.

Physical: No information available.

Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: CAS# 67-56-1: waste number U154; (Ignitable waste).

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	METHANOL				METHANOL
Hazard Class:	3				3(6.1)
UN Number:	UN1230				UN1230
Packing Group:	II				II
Additional Info:					FLASHPOINT

http://avogadro.chem.iastate.edu/MSDS/methanol htm

sm oking.

S 36/37 Wear suitable protective clothing and gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 7 Keep container tightly closed.

WGK (Water Danger/Protection)

CAS# 67-56-1: 1

Canada

CAS# 67-56-1 is listed on Canada's DSL List. CAS# 67-56-1 is listed on Canada's DSL List. This product has a WHMIS classification of B2, D1A, D2B. CAS# 67-56-1 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

CAS# 67-56-1: OEL-ARAB Republic of Egypt:TWA 200 ppm (260 mg/m3);Ski n OEL-AUSTRALIA:TWA 200 ppm (260 mg/m3);STEL 250 ppm;Skin OEL-BELGIU M:TWA 200 ppm (262 mg/m3);STEL 250 ppm;Skin OEL-CZECHOSLOVAKIA:TWA 10 0 mg/m3;STEL 500 mg/m3 OEL-DENMARK:TWA 200 ppm (260 mg/m3);Skin OEL-FIN LAND:TWA 200 ppm (260 mg/m3);STEL 250 ppm;Skin OEL-FRANCE:TWA 200 ppm (260 mg/m3);STEL 1000 ppm (1300 mg/m3) OEL-GERMANY:TWA 200 ppm (2 60 mg/m3); Skin OEL-HUNGARY: TWA 50 mg/m3; STEL 100 mg/m3; Skin JAN9 OEL -JAPAN:TWA 200 ppm (260 mg/m3); Skin OEL-THE NETHERLANDS:TWA 200 ppm (260 mg/m3); Skin OEL-THE PHILIPPINES: TWA 200 ppm (260 mg/m3) OEL-POLA ND: TWA 100 mg/m3 OEL-RUSSIA:TWA 200 ppm; STEL 5 mg/m3; Skin OEL-SWEDEN :TWA 200 ppm (250 mg/m3);STEL 250 ppm (350 mg/m3);Skin OEL-SWITZERLAN D:TWA 200 ppm (260 mg/m3);STEL 400 ppm;Skin OEL-THAILAND:TWA 200 ppm (260 mg/m3) OEL-TURKEY:TWA 200 ppm (260 mg/m3) OEL-UNITED KINGDOM:TW A 2 O0 ppm (260 mg/m3);STEL 250 ppm;Skin OEL IN BULGARIA, COLOMBIA, JO RDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM ch eck ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 7/21/1999 **Revision #4 Date**: 3/14/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Material Safety Data Sheet

Ethyl Alcohol, 70%

ACC# 91791

Section 1 - Chemical Product and Company Identification

MSDS Name: Ethyl Alcohol, 70%

Catalog Numbers: \$75119, \$75120, \$556CA4

Synonyms: Ethyl Alcohol; Ethyl Hydrate; Ethyl Hydroxide; Fermentation Alcohol; Grain Alcohol; Methylcarbinol;

Molasses Alcohol; Spirits of Wine.

Company Identification:

Fisher Scientific 1 Reagent Lane Fair Lawn, NJ 07410

For information, call: 201-796-7100 Emergency Number: 201-796-7100

For CHEMTREC assistance, call:800-424-9300

For International CHEMTREC assistance, call:703-527-3887

Section 2 - Composition, Information on Ingredients

C	AS#	Chemical Name	Percent	EINECS/ELINCS
64	17-5	Ethyl alcohol	70	200-578-6
773	2-18-5	Water	30	231-791-2

Hazard Symbols: Fisk Phrases: 11

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless clear liquid. Flash Point: 16.6 deg C. Flammable liquid and vapor May cause central nervous system depression. Causes severe eye irritation. Causes respiratory tract irritation. Causes moderate skin irritation. This substance has caused adverse reproductive and fetal effects in humans. Warning! May cause liver, kidney and

heart damage. Target Organs: Kidneys, heart, central nervous system, liver.

Potential Health Effects

Eye: Causes severe eye irritation. May cause painful sensitization to light. May cause chemical conjunctivitis and corneal

Skin: Causes moderate skin irritation. May cause cyanosis of the extremities.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.

Chronic: May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects. Animal studies have reported the development of tumors. Prolonged exposure may cause liver, kidney, and heart damage.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Gently lift eyelids and flush continuously with water.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Flush skin with plenty of soap and water.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If

breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician: Treat symptomatically and supportively. Persons with skin or eye disorders or liver, kidney, chronic respiratory diseases, or central and peripheral nervous sytem diseases may be at increased risk from exposure to this substance.

Antidote: Replace fluid and electrolytes.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.

Extinguishing Media:For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water.

Flash Point: 16.6 deg C (61.88 deg F)

Autoignition Temperature: 363 deg C (685.40 deg F)

Explosion Limits, Lower3.3 vol %

Upper: 19.0 vol %

NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8. **Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Do not store near perchlorates, peroxides, chromic acid or nitric acid.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethyl alcohol	1000 ppm TWA	1000 ppm TWA; 1900 mg/m3 TWA 3300 ppm IDLH	1000 ppm TWA; 1900 mg/m3 TWA
Water	none listed	none listed	none listed

OSHA Vacated PELs: Ethyl alcohol: 1000 ppm TWA; 1900 mg/m3 TWA Water: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid Appearance: colorless

Odor: Mild, rather pleasant, like wine or whis pH: Not available. Vapor Pressure: 59.3 mm Hg @ 20 deg C

Vapor Density: 1.59

Evaporation Rate: Not available. Viscosity: 1.200 cP @ 20 deg C Boiling Point: 78 deg C

Freezing/Melting Point: 114.1 deg C Decomposition TemperatureNot available.

Solubility: Miscible.

Specific Gravity/Density:0.790 @ 20°C

Molecular FormulaC2H5OH Molecular Weight:46.0414

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures

Conditions to Avoid: Incompatible materials, ignition sources, excess heat, oxidizers.

Incompatibilities with Other Materials: Strong oxidizing agents, acids, alkali metals, ammonia, hydrazine, peroxides, sodium, acid anhydrides, calcium hypochlorite, chromyl chloride, nitrosyl perchlorate, bromine pentafluoride, perchloric acid, silver nitrate, mercuric nitrate, potassium-tert-butoxide, magnesium perchlorate, acid chlorides, platinum, uranium hexafluoride, silver oxide, iodine heptafluoride, acetyl bromide, disulfuryl difluoride, tetrachlorosilane + water, acetyl chloride, permanganic acid, ruthenium (VIII) oxide, uranyl perchlorate, potassium dioxide.

Hazardous Decomposition Products Carbon monoxide, Irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 64-17-5: KQ6300000 CAS# 7732-18-5: ZC0110000 LD50/LC50:

CAS# 64-17-5:

Draize test, rabbit, eye: 500 mg Severe; Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 20 mg/24H Moderate; Inhalation, mouse: LC50 = 39 gm/m3/4H; Inhalation, rat: LC50 = 20000 ppm/10H; Oral, mouse: LD50 = 3450 mg/kg; Oral, rabbit: LD50 = 6300 mg/kg;

Oral, rat: LD50 = 9000 mg/kg; Oral, rat: LD50 = 7060 mg/kg;

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;

Carcinogenicity:

CAS# 64-17-5:

ACGIH: A4 - Not Classifiable as a Human Carcinogen CAS# 7732-18-5: Not listed by ACGIH, IARC, NIOSH, NTP, or

Epidemiology: Ethanol has been shown to produce fetotoxicity in the embry o or fetus of laboratory animals. Prenatal exposure to ethanol is associated with a distinct pattern of co ngenital malformations that have collecetively been termed the "fetal alcohol syndrome".

Teratogenicity: Oral, Human - woman: TDLo = 41 gm/kg (female 41 week(s) after conception) Effects on Newborn -Apgar score (human only) and Effects on Newborn - other neonatal measures or effects and Effects on Newborn - drug

Reproductive Effects: Intrauterine, Human - woman: TDLo = 200 mg/kg (female 5 day(s) pre-mating) Fertility - female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).

Neurotoxicity: No information available.

Mutagenicity: DNA Inhibition: Human, Lymphocyte = 220 mmol/L.; Cytogenetic Analysis: Human, Lymphocyte = 1160

gm/L.; Cytogenetic Analysis: Human, Fibroblast = 12000 ppm.; Cytogenetic Analysis: Human, Leukocyte = 1 pph/72H (Continuous).; Sister Chromatid Exchange: Human, Lymphocyte = 500 ppm/72H (Continuous).

Other Studies: Standard Draize Test(Skin, rabbit) = 20 mg/24H (Moderate) S tandard Draize Test: Administration into the eye (rabbit) = 500 mg (Severe).

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr; Flow-through @ 24-24.3°C Rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling (Unspecified) ria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min; Microtox test When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish.

Environmental: When released to the atmosphere it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rainout should be significant.

Physical: No information available. Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
- Surfering	ETHANOL				No information available.
Hazard Class:	3				
0.11.14.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	UNI 170				
Packing Group:	Ω				

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 64-17-5 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 64-17-5: acute, chronic, flammable.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 64-17-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

WARNING: This product contains Ethyl alcohol, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations European Labeling in Accordance with EC Directives Hazard Symbols:

E .

Risk Phrases:

R 11 Highly flammable.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 33 Take precautionary measures against static discharges.

S 7 Keep container tightly closed.

S 9 Keep container in a well-ventilated place.

WGK (Water Danger/Protection)

CAS# 64-17-5: 0

CAS# 7732-18-5: No information available.

Canada - DSL/NDSL

CAS# 64-17-5 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B2, D2A, D2B.

Canadian Ingredient Disclosure List

CAS# 64-17-5 is listed on the Canadian Ingredient Disclosure List.

Exposure Limits

CAS# 64-17-5: OEL-AUSTRALIA:TWA 1000 ppm (1900 mg/m3) OEL-BELGIUM:T WA 1000 ppm (1880 mg/m3) OEL-CZECHOSLOVAKIA:TWA 1000 mg/m3;STEL 5000 mg/m3 OEL-DENMARK:TWA 1000 ppm (1900 mg/m3) OEL-FINLAND:TWA 1000 ppm (1900 mg/m3);STEL 1250 ppm (2400 mg/m3) OEL-FRANCE:TWA 1000 ppm (1900 mg/m3);STEL 5000 pp OEL-GERMANY:TWA 1000 ppm (1900 mg/m3) OEL-HUNG ARY:TWA 1000 mg/m3;STEL 3000 mg/m3 OEL-THE NETHERLANDS:TWA 1000 ppm (1900 mg/m3) OEL-FOLAND :TWA 1000 mg/m3 OEL-FOLAND :TWA 1000 mg/m3 OEL-RUSSIA:STEL 1000 mg/m3 OEL-SWEDEN:TWA 1000 ppm (1900 mg/m3) OEL-THAILAND:TWA 1000 ppm (1900 mg/m3) OEL-TURKEY:TWA 1000 ppm (1900 mg/m3) OEL-UN ITED KINGDOM:TWA 1000 ppm (1900 mg/m3) JAN9 OEL IN BULGARIA, COLOMBIA , JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNA M check ACGITLV

Section 16 - Additional Information

MSDS Creation Date: 4/17/2001 **Revision #1** Date: 4/17/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

MSDS Number: M7700 * * * * * * Effective Date: 05/19/08 * * * * * * Supercedes: 08/18/05

MSDS Material Safety Data Sheet Outcide U.S. and Canada Chemises: 763-527-3667 From: Mallinckrodt Baker, Inc.
222 Red School Lane
Philipsburg, NJ 98865 NOTE: OFERTIFE, DARRITEO with Passara Response George emorganes multiplies to be used left of the word. I character engineer wastering a part, said, tod, operation of 100 and (excepting presencing) Microsoftal george cuestions broad the institute to Contental Service in \$100,682,3537, for recognitive

MINERAL OIL

1. Product Identification

Synonyms: Paraffin oil; liquid petrolatum; White Mineral Oil; Nujol

Molecular Weight: Not applicable. Chemical Formula: Not applicable.

Product Codes: J.T. Baker: 2705 Mallinckrodt: 6357, 6358

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hatardous
Oil, Mineral	3012-95-1	96 - 100	Yes

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. COMBUSTIBLE LIQUID AND VAPOR.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 2 - Moderate Flammability Rating: 1 - Slight

reaninating varing: 1 - origin Reactivity Rating: 0 - None Contact Rating: 2 - Moderate Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:

Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. Inhalation of mist or vapor may produce aspiration pneumonia

Material is a cathartic and can cause serious diarrhea. Nausea and vomiting may also occur and possibly abdominal cramping. Aspiration of mineral oil into the lungs can cause chemical pneumonia.

Skin Contact:

Prolonged contact may cause irritation; occasionally dermatitis due to hypersensitivity occurs.

Eve Contact:

Mists or fumes can irritate the eyes. Can cause discomfort similar to motor oil.

Chronic Exposure:

Prolonged or repeated skin exposure may cause dermatitis. Highly refined mineral oils are not classified as human carcinogens. However, related forms (untreated and mildly-treated oils) are listed as human carcinogens by both NTP and LARC.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

4. First Aid Measures

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. Aspiration hazard.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eve Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Flash point: 135C (275F) CC

Autoignition temperature: 260 - 370C (500 - 698F)

Combustible Liquid and Vapor!

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide. Water or foam may cause frothing. Do not allow water runoff to enter sewers or waterways Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

7. Handling and Storage

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect against physical damage. Store separately from reactive or combustible materials, and out of direct sunlight. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: For Mineral Oil; Misted!:

-OSHA Permissible Exposure Limit (PEL): 5 mg/m3

- ACGIH Threshold Limit Value (TLV):

5 mg/m3 (TWA) 10 mg/m3 (STEL)

(las sampled by method that does not collect vapor)

(IRefers to airborne mist of mineral oil)

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Anthorne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation. A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type P95 or R95 filters) may be worn For up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is Lowest.. A full-face piece particulate respirator (NIOSH type P100 or R100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. Please note that N filters are not recommended for this traterial. For emergencies or instances where the exposure levels are not known, use a full-tacepiece positive-pressure, air-supplied respirator. WARNING: Air-Durifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

lear oity liquid.

Odor:

Odorless.
Solubility:
Insoluble in water.
Specific Gravity:
Heavy: 0.845 to 0.905 Light: 0.818 to 0.880 pH:
No information found.
% Volatiles by volume @ 21C (70F):
0
Boiling Point:
260 - 330C (500 - 626F)
Melting Point:
No information found.
Vapor Density (Air=1):
ca. 9
Vapor Pressure (mm Hg):
< 0.5
Evaporation Rate (BuAc=1):
No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage. May solidify at room temperature.

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Strong oxidizers.

Conditions to Avoid:

Heat, flames, ignition sources and incompatibles.

11. Toxicological Information

Arritation Data, rabbit (Std Draize): skin=100 mg/24H, mild; eye-500 mg, moderate. Investigated as a tumorigen. Oral rat 1.D50: 22 gm/kg

		Carcinogen	
Ingradient	Known	Anticipated	IARC Category
			~~~~~~~~~~
Orl, Mineral (8012-95-1)	No	Ио	Mone

#### 12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity: No information found.

#### 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

#### 14. Transport Information

Not regulated.

### 15. Regulatory Information

	TSCA	EC	Japan	Australia
Oil, Mineral (5912-95-1)	ïes	1 = 5	ю	Yes
			anada	
ingradiant	Корев	DSL	NDSL	Phil.
			~	

http://www.jtbaker.com/msds/englishhtml/m7700.htm

Oil, Mineral (8012-95-1)		Yes	s 7es	No Yes
\Fedecas, State & Incernacional	Regulat	ions	- Part 1,	
Ingradiant	RQ	ŢPQ	List	SARA 313 Chemical Catg
Oil, Mineral (8012-95-1)	No		No	No
\Federal, State & International	Regulat.	ions -		-TSCA-
Ingradient			261.33	8 (4)
Oil, Mineral (8012-95-1)			Мо	
chemicai Waapons Convention: No. TSCA SAPA 311/312: Acute: Yes Chronic: No Reactivity: No. (Pure / Liquid)				

Australian Hazchem Code: None allocated.

Poison Schedule: S5

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

#### 16. Other Information

Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. COMBUSTIBLE LIQUID AND VAPOR.

Label Precautions:

Avoid breathing mist.

Keep container closed.

Use only with adequate ventilation.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.

Keep away from heat, sparks and flame.

Label First Aid:

If swallowed, DO NOT INDUCE VOMITING, Give large quantities of water. Never give anything by mouth to an unconscious person, Get medical attention immediately. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases, get medical

Product Use: Laboratory Reagent.

Revision Information:

No Changes.

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Prepared by: Environmental Health & Safety Phone Number: (314) 654-1600 (U.S.A.)

Date: 7 - 8 - 09

Regarding the personal effects of Bruce Howard (SSN: (b) (6) ), I Herbert Forcey (DL: Texas (b) (6) ) claim to be the brother of Bruce Howard.

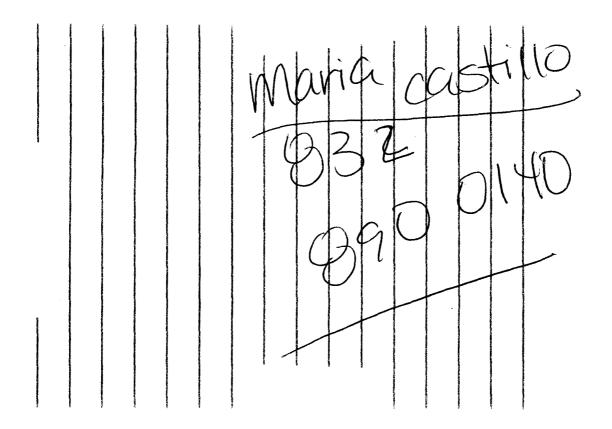
On this date (7-8-09) I took possession of the attached list of personal items that belong to Bruce Howard. These items were held in safekeeping by CES Environmental Services. I have inventoried the items and agree that the inventory list is complete and accurate. These items are now in my possession and I take legal responsibility for these items. I understand that CES is giving me these items because of their belief that of my family relationship with Bruce Howard.

Signature: Harland forces

I Greg Bowman, Vice President of CES Environmental Services, have reviewed the records we have on file for Bruce Howard. I could not identify any family members from his file. However, I have spoken with Annie McFarland (713-330-0539). We have reason to believe Annie is the sister of Bruce Howard. It is her wish that we provide the Personal Effects of Bruce Howard to Mr. Herbert Forcey. She confirms that Mr. Forcey is the brother of Bruce Howard.

Greg Bowman:

Juante & Thom





# **Bruce C. Howard Personal Items:**

- 1. Wallet- containing the following:
  - \$287 Cash
  - Drivers License
  - Social Security Card
  - Ace Cash Express Member Card
- 2. Keys
- 3. Car (CES DID NOT inventory the car)
- 4. One pair of Sandals
- 5. One pair of Nike Shoes
- 6. One bottle of vitamins
- 7. Duffel bag- containing the following:
  - One ball cap
  - One bar soap
  - One deodorant
  - One bottle of lotion
  - One bottle of soap
  - One tube tooth paste
  - One pair of pants
  - Boxer shorts
  - One shirt
  - One undershirt
  - Pair of flip flops
  - One towel
  - One wash rag

CES Environmental Service	es, Inc is releasing t	the personal items of I	Bruce C. Howard to
Bruce's following family r	nembers:	. 10	
Print name: Herbert Force	Signature: Hel	Date: 7/8/04 Re	elationship:
CES witness's: Janes	P. Pharas	the Aarta	Date: 7/8/09 @ 9:15am

Employee Name: Bruse Howard.
Emergency Contact: Elisabeth
Relationship: Friend.
Emergency Contact Phone #: 281-605 3606
Patricia Smith  Harris County Mendical  713-796-6740  Case  ML 09-2257  Ti3-46-5321  Ti3-46-5321  Ti3-330-0534

Luis Sanchez M.D. Chief Medical Examiner

Forensic Investigators (711) 796-6740

Fax: (713) 796-6842 Fax (713) 796-6991

#### **Harris County Medical Examiner**

Joseph A Jachimczyk Forensic Center 1885 Old Spanish Trail Houston, Texas 77054

## Fax

To:	CES ENVIRONMENTAL SERVICES	Phone:	713-676-1460	
Attention:	CFO-GREG BOWMAN	Fax:	7136761676	
ML#:	ML09-2257	DOD:	7-7-09	
Decedent	BRUCE C. HOWARD	DOB:		
	DOB: 3-12-1964			
☐ Urgent -	- Autopsy pending		x Stat Request	

In accordance with the Texas Cixide of Criminal Procedures, Article 49.25, an investigation is conducted into the death of the below named decedent whose remains have come under the jurisdiction of the Harris County Medical Examiner. Authorization is hereby given to release any and all medical records and pertinent information associated with this decedent as indicated below. Release of protected health information to the Medical Examiner is authorized under the federal Health Insurance Portability and Accountability Act (HIPAA) at 45 CFR 164.512 (g) (1) and under the federal Confidentiality of Alcohol and Drug Treatment Act at 42 CFR 2.15 (b).

Please fax or mail all requested information to the Investigative Division at the above fax and address.

DATE: Tuesday, July 07, 2009 5:52 PM

Hospital Records:	Doctor's Office:	Police/EMS/Fire:
Admission Records	MD Notes	Police Report Case
DOS:	DOS:	#
D/C Summary (if on file)	Medication Sheet	Scene Photos
Operative Reports	Last 5 visits	EMS Run sheet
History & Physical		Accident Repor
Emergency Roor 1:		Case #
Lab Results		
Lab Samples (an emortem samples, including 1st blood, urine, stomach contents, etc.)	***Please include employ emergency contact inform	•
Dental X-rays & charts	description of Mr. Howard	's duties with the
X-rays & Radiology Reports	company.	
Diagnostic Tests:		
U/S CT	Thank you in advance for	or your assistance!
Other:		<u></u>
Requested By: PATRICIA S	MITH BA, Forensic Investigator	( Anni II

EPAHO043001184



# TEXAS EMPLOYER NEW HIRE REPORTING PROGRAM New Hire Reporting Form



Please write all entries in CAPS • All items MUST be completed unless noted with an *
 • PRINT legibly in ink, or type all entries • Further instructions are on reverse side

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EMPLOYER IN	FORMATION	
Federal Employer ID     Number (FEIN)	17161-10151912191815	2. State Employer ID Number
3. Employer's Name	ICIEISI IEINIVII IRIOINIMEIN	VITIAILI ISIEIRIVII ICIEISI I/ NICI I I I
4. Employer's Address	141910141 161811 1616151 1RIC	$\mathcal{O}(A,\mathcal{D})$
	11111111111	+ + +
5. Employer's City	1H101U1SIT101N111111	6. State 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP Code 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CODE 7. ZIP CO
8. Employer's Payroll		
Address (if different from above) *		
Employer's Payroll     City		10. State 11. ZIP Code
12. Employer's Telephor	ne (1711 131)161716H1/1416101	13. Employer's FAX (171/131)1617161-1/1617161
14. New Hire Contact Pe		RI THANGUDU:
EMPLOYEE INF	ORMATION	
15. Social Security Number (SSN)	H1616H35H4101301	16. First Day of Work Month Pay 2 Year (4 digits) (Mo/Day/Yr) *
17. Employee First Name	BRUCIELLI	
18. Employee Middle Name	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1
19. Employee Last Name	HOWARDIII	
20. Employee	161010141 18Ch DIVIE	21/1e1/21/11/11/11
Home Address	1 1 1 1 1 1 1 1 1 1	
21. Employee City	H10015H101N1111	22. State 23. ZIP Code
24. Employee Foreign Address	1	
	25. City	26. Country 27. Postal Code
28. State Where Employe	e was hired*   T   X	29. Employee DOB Month Day Year (4 digits). (Mo/Day/Yr) O13 ID II FLOT I
30. Employee's Salary D (\$ and cents)     ,	ollars ( ) 0 ( ) Sents	31. Salary

*Optional

Submit within 20 calendar days of new employee's first day of work to ENHR Operations Center, P.O. Box 149224, Austin, Texas 78714-9224
FAX: 1-800-732-5015, Phone: 1-800-850-6442
Online: http://employer.oag.state.tx.us

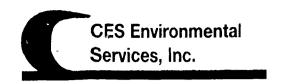
December 2005

ENHR RPT FORM

File-Working Com Tras motake Family: ?

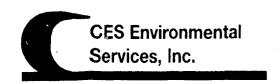
Bill Boras - 713-704-3100

STRAIGHT BILL OF LADING - SHORT FORM	- Original - Not Negotiable
	Shipper's No.
(Carrier)  Received is subject to the classification is and tarffs in effect on the date of his Biff of Lading:	CAC. Carrier's No.
	late (d1) (H from ENUIDO CULTIONS
the properly described below, in apparent good order, except as noted (contents and condition throughout this contract as meaning any person or corporation in possession of the property unc	n of contents of packages unknows), marked consigned, and destried as indicated, below, which said company (the word company being understic der the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another car
on the route to said destination. It is mutually agreed, as to each carrier of lail or any of said pro- performed hereunder shall be subject to all the conditions not prohibited by law, whether printed to	operly over all or any portion of said houte to destination, and as to each party at any time interested in all or any of said property, that every service to or written, herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.
(Mail or street address of consignee for purposes of notification TO:	FROM: TWIKE COLITIONS
Consignee	Consignee
Street Destination + OU STRA)   X Zip	Street Origin MONT BELUIFILIX Zip
Route:	Origin   (OO) Land Of M   X Zip
Delivering Carrier	Trailer Initial/ Number  U.S. DOT Hazmat Reg. Number
The of Hist Description of articles, special marks, and exception	Horard III De Booking StWeight Class of Hotale coming I Charle
patients min. Description of anicles, special marks, and excep-	Class Number Group (subject to column
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NOW - PLACARIE	
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	) X 1100
1180-14-11	
	11/000000
Remit C.O.D. to:	
Address:	without recourse on the consignor, the consignor Prepaid
City: State: Zip:	The carrier shall not make delivery of this Collect  \$\shipment without payment of freight and all other
I the shipment moves between two ports by a camer by water, the law megulates that the bill of lading shall state whether it is cam be - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value a greed or declared value of the property is hereby	luc of the property
per per stated by the shipper be be not exceeding per per marked and insist to certify that the above named marked and	
belief, and are in proper condition for transportation according to the applicable regulations of the partment of Transportation. Per	REQUIRED DRIVER'S SIGNATURE
SHIPPER ENVIRONMENT INS	CARRIER Y
PER:DATE: \( \sqrt{2} \)	PER: DATE: DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: COLUMN DATE: C
	TELEPHONE NUMBER: ( )
Permanent post office address of shipper	Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172 604)



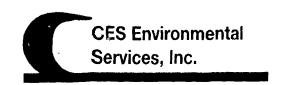
Job Number :	87922	_		
Type of Material:	oily water			
Job Date:	6/17/2009			
Bill of Lading #:	87922			
Customer:	Enviro Solution	············		
Gross Weight:				
Tare Weight:		OR	Total Gallons Shipped:	5500
Net Weight:				
Shipping In	formation			
Carrier:	Petroleum Express			
Truck Number:				
Trailer Number:	1276			
CES Laborato	ory Use Only		Misc Notes:	
Specific Gravity:			-11 - 5	
Pounds per Gallon	):		pH= 5 TOC= 94460	
Temperature:			Phenol= 10	
<b>Total Gross Gallon</b>	<b>is:</b> 5500		Solids= 1%   Flash Point < 80 F	
% Water			~15% Oil ~84% H2O	
% Solids	1		Process to System 1	
<b>Total Net Gallons:</b>	5500		Surcharge @ \$0.25 per gallo	on
(minus water and so	olids)			
Sample Analyst:				
Jumple Anary Ju	(sigr	nature)		
Sample Analyst:	Julius Prantil		Date:	6/19/2009
<del>-</del>			7//	

STRAIGHT BILL OF LADING - SHORT FORM- Origi	ginal - Not Negotiable Shipper's No.
The same the same	
(Carrier) SCAC.	Carrier's No. 7
at	ints of packages unknows), marked, consigned, and destried as indicated, below, which said company (the word company being understool
throughout this contract as meaning any person or corporation in possession of the property under the contri- on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over a	ntract) agrees to carry to its usual place of delivery at said destination, it on its own road or its own water line, otherwise to deliver to another carrie ir all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be
(Mail or street address of consignee for purposes of notification only.)	herein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.  FROM:
TO: Consignee	Consignee
Street	Street A
Destination + Cu = 112   Zip	Origin MONT LELLUIT WIX Zip
Delivering Carrier	Trailer (htital/ U.S. DOT Hazmat , Number   Reg. Number
Hill. Description of articles, special marks, and exceptions	Hazard I.D. Packing *Weight Class or Labels required Check column column
	Glass Namber Group correction) rate Contamin
1 OILL PRIER	
NON-HAZARDOUS	CORC
Man - FRAREET	
100 g	7/22
Tid Tid	
	Alterial 6/1/108
Remit C.O.D. to: Address:	Subject to Section 7 of sertificons. If this Support is to be delivered to the consignee without recourse on the consignor, the consignor Prepaid
City: State: Zip:	Shall sign the following statement The carrier shall not make delivery of this Shipment without payment of freight and all other
If the shipment moves between two ports by a carner by water, the law inquiates that the bill of lading shall state whether it is carner is or shipper's lote - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the proper he agreed or declared value of the opportry is hereby pecifically stated by the shipper be be not exceeding.	Charges Advanced   lawful charges   FREIGHT CHARGES    \$   Signature of consumpro   Prepaid   Collect
this is to certify that the above named materials are properly described, classified, packaged, marked and belied, and are in proper condition for transportation according to the applicable regulations of the REQUI	ARDS PLACARDS YES NO - FURNISHED BY CARRIER
SHIPPER THUIROSCHUTIONS	CARRER
PER:DATE: COLT	PER: DATE: DATE:
	TELEPHONE NUMBER: ( )
Permanent post office address of shipper	Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172 604)



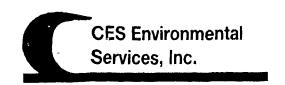
Job Number: Type of Material:	87922 oily water	_	
Type of Flacenan	ony water		
Job Date:	6/17/2009		
Bill of Lading #:	87922		
Customer:	Enviro Solution		
Gross Weight:			
Tare Weight:		OR	Total Gallons Shipped: 5500
Net Weight:			
Shipping Inf	formation		
Carrier:	Petroleum Express		
Truck Number:		New Y/	
Trailer Number:	1276		
CES Laborato	ry Use Only		Misc Notes:
Specific Gravity:			
Pounds per Gallon:			pH= 5 TOC= 94460
Temperature:			Phenol= 10
<b>Total Gross Gallons</b>	5500		Solids= 1%   Flash Point < 80 F
% Water			~15% Oil ~84% H2O
% Solids	1		Process to System 1
Total Net Gallons:	5500		Surcharge @ \$0.25 per gallon
(minus water and sol	lids)		
Camada Amalyok			
Sample Analyst:	(sin	ature)	
Sample Analyst:	Julius Prantil		<b>Date:</b> 6/19/2009

STRAIGHT BILL OF LADING - SHORT FORM- Origina	Not Negotiable	
	Shipper's No.	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th
(Carrier) SCAC.	Carrier's No.	
at TONT FLUICUTY, date	from NUIPO	CUATIONS.
the property described below, in apparent good order, except as noted (contents and condition of contents of p throughout this contract as meaning any person or corporation in possession of the property under the contract) a	is to carry to its usual place of delivery at said destination, if on its own road or its own water in	ie, otherwise to deliver to another carrie
on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or a performed hereunder shall be subject to all the conditions not prohibited by law whether printed or written therein or	tined (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and	accepted for himself and his assigns.
(Mail or street address of consignee for purposes of notification only.)  TO:	FROM: ENVIROSOLUTIONS	<b>&gt;</b>
Consignee	Consignee	
Street Destination CLASTRAL Zip	Street Origin MONT BELVIEW Zip	
Route:	Origin   POPO   Land Oliver   X 210	
	ler Initial/ U.S. DOT Hazmat	
th of His Description of articles special marks and exceptions	تحديد والمستندي وأنتنا فتستند والمستكثر والمتالية والمتالية والمتالية والمتالية والمتالية والمتالية	abels required Check
pathrass Time Security of America, Special mains, and exceptions	Class Number Group (subject to controlled) rate	column
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	Al COMOVA	< 6/ MOT
Remit C.O.D. to:	A A 1. 1 stap most is to be delivered to the desinguise	O.D FEE:
Address: City: State: Zip:	shall sign the following statement:	epaid 🗆
If the shipment moves between two ports by a carrier by water the law modales that the hill of lading shall state whether the carrier is corner's or changer's want.	Shipmerk Willook paymerk of relight and all other	REIGHT CHARGES
ole - where the rate is dependent on value, shippers are required in state specifically in writing the agreed or declared value of the property: he agreed or declared value of the ringingth is hereby pecifically stated by the shipper be be not exceeding		Prepaid □ Collect
his is to certify that the above named materials are properly described, classified packaged, marked and placeballed, and are in proper consisten for transportation according to the applicable regulations of the REQUIRE		- FURNISHED BY CARRIER
SHIPPER: TOURS	CARRED DRIVER'S SIGN	ANIONE
PER:DATE: COL 7		ATE: Co 7
	EMERGENCY RESPONSE	
Permanent post office address of shipper	TELEPHONE NUMBER: ( )  Monitored at all times the Hazardous Material is in transportation including storage in	ncidental to transportation (§172 604)



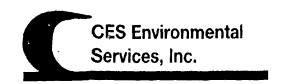
Job Number :	87922	-					
Type of Material:	oily water		. Thomas P				
Job Date:	6/17/2009						
Bill of Lading #:	87922						
Customer:	Enviro Solution						
Gross Weight:							
Tare Weight:		OR	Total Gallons Shipped:	5500			
Net Weight:							
Shipping In	formation						
Carrier:	Petroleum Express						
Truck Number:							
Trailer Number:	1276						
CES Laborato	ry Use Only		Misc Notes:				
Specific Gravity:			nll_ E				
Pounds per Gallon:	}		pH= 5 TOC= 94460				
Temperature:			Phenol= 10				
Total Gross Gallons	5500		Solids= 1%				
% Water			Flash Point < 80 F ~15% Oil ~84% H2O				
% Solids	1		Process to System 1				
Total Net Gallons:	5500		Surcharge @ \$0.25 per gallo	n			
(minus water and solids)							
Sample Analyst:							
	(signa	ature)					
Sample Analyst:	Julius Prantil	······	Date:	6/19/2009			

STRAIGHT BILL OF LADING - SHORT FORM- Origin	al - Not Negotiable Shipper's No.
(Carrier) SCAC.  Received (subject to the classifications and tarfs in effect on the date of Ms Bill of Lading:	Carrier's No.
at the property described below, in apparent good order, except as noted (confents and condition of contents of p	packages inknowl), marked, consigned, and destined as indicated, below, which said company the word company being understood
throughout this contract as meaning any person or corporation in possession of the property under the contract) on the route to said destination, it is mulually agreed, as to each carrier of all or any of said property over all or	i agreès to carry to the usual place of defivery at said destination, if on its own road or its own water line, otherwise to defiver to another carrier rany portion of said houte to destination, and as to each party at any time interested in all or any of said property, that every service to be a contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his assigns.
(Mail or street address of consignee for purposes of notification only.)  TO:	FROM: TNUING-CLUTIONS
Consignee	Consignee
Street Destination + CU STPA)   Zip	Street Origin NONT BELUIFWIX Zip
Route:	
Delivering Courier	Trailer Initial/ U.S. DOT Hazmat
	Number Reg. Number
The of packings H.M. Description of articles, special marks, and exceptions	Hazard I.D. Packing *Weight Class or Labels required Check column Class Number Group (subject to correction) rate column
1 OUN DATER	l lesco
Non-Hozagons	Const
Was Support	
NON-TERMINA	
30	
TAPILET	
·	Al Lamaia 6/1/07
Remit C.O.D. to:	Subject to Section 7 of conflictors it this  AMT: Subject to Section 7 of conflictors it this  Subject to Section 7 of conflictors it this  C.O.D FEE:
Address: City: State: Zip:	shall sign the following statement.  The carrier shall not make delivery of this Couloct.
If the shipment moves between two ports by a carrier by water, the law insplates that the bill of lading shall state whether it is carrier s or shipper is were ote - where the rate is dependent on value, shippers are recurred to state specifically in writing the agreed or declared value of the property; he agreed or decreared value of the property is hereby.	Charges Advanced lawful charges.
pecifically stated by the shoper be be not exceeding per his is to certify that the above named materials are properly described, classified, packaged, marked and behalf, and are in proper condition for transportation according to the applicable regulations of the PLACAR repartment of Transportation.	DS PLACARDS YES NO - FURNISHED BY CARRIER
SHIPPER: TUNKO CHUTINS	CARRIER! DAIVER'S SIGNATURE
PER:DATE: \	PER: DATE:
	EMERGENCY RESPONSE
Permanent post office address of shipper	TELEPHONE NUMBER: ( )  Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (\$172.604)



Sample Analyst:	Julius Prantil		Date:	6/19/2009
		ature)		z (40 (000
Sample Analyst:				
(minus water and so	lids)			
<b>Total Net Gallons:</b>	5500		Surcharge @ \$0.25 per gallo	n
% Solids	1		Process to System 1	
% Water			~15% Oil ~84% H2O	
Total Gross Gallon	<b>s:</b> 5500		Solids= 1% Flash Point < 80 F	
Temperature:			Phenol= 10	
Pounds per Gallon			pH= 5 TOC= 94460	
Specific Gravity:				
CES Laborato	ry Use Only		Misc Notes:	
Trailer Number:	1276			
Truck Number:				
Carrier:	Petroleum Express			
Shipping In	formation			
Net Weight:				
Tare Weight:		OR	Total Gallons Shipped:	5500
Gross Weight:				
Customer:	Enviro Solution			
Bill of Lading #:	87922			
Job Date:	6/17/2009			
Type of Material:	oily water		-	
Job Number :	87922	_		

STRAIGHT BILL OF LADING - SHORT FORM- Original	inal - Not Negotiable	
(7)	Shipper's No.	
Carrier TECLEUM EXCESSOAC	Carrier's No.	
at the Living of the classifications and tails in effect of the case of the control cating.	COLUMN FROM COLUMN	1.
throughout this contract as meaning any person or corporation in possession of the property under the con-	s of packages unknowl), marked, consigned, and destined as indicated, below, which said company (the word company being unact) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to ano	ther c
performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written.	all or any portion of saidhoute to destination, and as to each party at any time interested in all or any of said property, that every se erein contained (as specified in Appendix B to Part 1035) which are hereby agreed to by the shipper and accepted for himself and his a	rvice assign
(Mail or street address of consignee for purposes of notification only.)  TO:	FROM: TNUIRO SOLUTIONS	
Consignee	Consignee	
Street Destination + CU STPA)   Xip	Origin MONT BELVIEW Zip	
Route:	- Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract - Contract	
Delivering Carrier	Trailer Initial/ U.S. DOT Hazmat Number Reg. Number	
Hiv. Description of articles, special marks, and exceptions	Isubject to	Che
	Class Number Group subject to correction rate co	olur
1 OILY WRIER	35-60	
Maryllozarmis	Carl	
Mod Processor		
NON-TURCARDED		
$\mathbb{X}$	)4(2)()	
HaFILETT		
	Al (amore 6) 111	$\sigma_c$
D. 1100D	Subject to Section 7 of postitions of this O.O.D. FEE	
Remit C.O.D. to: Address:	AMT: Supment is to be delivered to the consigner without recourse on the consignor, the consignor Prepaid	
City: State: Zip:	\$\frac{\text{Trie carrier shall not make delivery of this shipment without payment of freight and all other}{\text{Collect} \subseteq \\$\}	
the shortest moves between two ports by a camer by water, the law regulates that the bill of lading shall state whether it is camer's or shipp de - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the pri agreed or declared value of the property is hereby	S wrojit   Charges Advanced   S   Sophistic of consignor   FREIGHT CHARG	
ecifically stated by the shipper be be not exceeding per	ARDS PLACARDS YES NO - FURNISHED BY CARRIL	
partment of Transportation. Per	IRED SUPPLIED DRIVER'S SIGNATURE	
HIPPER: EDUIRO COLUTIONS	CARRIER PATE A STATE A	7
ER:DATE: COLIT	PER: DATE: DATE:	<del>.</del>
	TELEPHONE NUMBER: ( )	

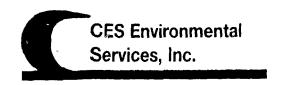


4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Inbound Load Report**

Job Number:	87922			
Type of Material:	oily water			
Job Date:	6/17/2009			
Bill of Lading #:	87922			
Customer:	Enviro Solution	· · · · · · · · · · · · · · · · · · ·		
Gross Weight:				
Tare Weight:		OR	Total Gallons Shipped:	5500
Net Weight:				
Shipping In	formation			
Carrier:	Petroleum Express			
Truck Number:				
Trailer Number:	1276			
CES Laborato	ory Use Only		Misc Notes:	
Specific Gravity:			nil. F	
Pounds per Gallon	•		pH= 5 TOC= 94460	
Temperature:			Phenol= 10	
Total Gross Gallon	<b>s:</b> 5500		Solids= 1% Flash Point < 80 F	
% Water			~15% Oil ~84% H2O	
% Solids	1		Process to System 1	
<b>Total Net Gallons:</b>	5500		Surcharge @ \$0.25 per gallo	n
(minus water and so	lids)			
Sample Analyst:				
Camaria Analyses		nature)	<b>N-4-</b> -	6/10/2000
Sample Analyst:	Julius Prantil		Date:	6/19/2009

STRAIGHT BILL OF LADING - SHORT FOR	M- Original	- Not I	Vegotiabl	e Chin	per's No.	Marie Marie	, t 3	
		1			_	And white the same	<del>00000</del>	-
Carrier	SCAC.			Carr	ier's No.		8	
I TONT BY LVIEW TV.	date	(1)	CH	from	ENU	UED.	DOLLO	<u> 2016 r</u>
the properly described below, in apparent good order, except as noted (contents and continuous) this contract as meaning any person or corporation in possession of the property	y under the contract) agi	rees to carry to	t usual place of deli	very at said dest	nation, it on its own i	oad or its own w	ater line, otherwise to de	liver to another carrie
on the route to said destination. It is mutually agreed, as to each carrier of all or any of sail performed hereunder shall be subject to all the conditions not prohibited by law, whether printing the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by the conditions are considered by	ted or written, herein co	ntained (as spe	cified in Appendix B I	to Part 1035) whi	ch are hereby agreed	to by the shippe	r and accepted for hims	at every service to b elf and his assigns.
(Mail or street address of consignee for purposes of notifica	ition only.)	FROI	VI TIN	DIRC	SOLU	MIT		
Consignee		Consig		•				
Street		Street	Maria	- R	LUIFK.	manager		
Destination + CU > 12 A Zip		Origin	1.1012	- Land	-VIEW	X Zir	)	
noute.								
Delivering Carrier		railer (nitial/	nol.	576		OT Hazmat lumber		
The of Hild Description of articles, special marks, and ex-		Hazard	I.D.	Packing	مشحصف سنسبب د	Class or	Labels requir	ed Check
nikirais	30/3/10	Class	Number	Group	*Weight (subject to correction)	rate		column
1 OUN DATED					EEC	<b>,</b>		
1 11 - 2000	gre-n _s			·····	100			
NON - HUSHIOON	<u> </u>				2017			
N/ON 1-7-LACARI	1)							
							· · · · · · · · · · · · · · · · · · ·	
	12 BOV	$\overline{\Delta}$						1
	N) 1/1/16	12						
1								
TROPILET								
		AL		v A	e-	- 1	- 61	19/05
Remit C.O.D. to:		000	-6 4) A		t to Section 7 of se	inditions. If this	C.O.D FEE	
Address:		COD	AM	<ul> <li>without rec</li> </ul>	s to be delivered to ourse on the consign se following statemen	or, the consignor		
City: State: Zip		\$		The ca shipment w	rrier shall not make ithout payment of fre	delivery of this	Collect L	·
re shipment moves between two ports by a carner by water, the law negutates that the bill of lading shall state whether it is.  - where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declare agreed or declared agreed or declared and the property is hereby shippers be the property is hereby.  Shipper shipper be be not excreening.	camer's or shipper's weight of value of the property.	Charge \$	s Advance	d lawful char	jes.		FREIGHT C	
officially stated by the stopper be be not exceeding per s is to certify inset the above named materials are properly described, classified, packaged, marked a taked, and are in proper condition for transportation according to the applicable regulations of	nd PLACARDS			- [	(Signature of consig		Prepaid No - FURNISHED B	☐ Collect
per Per	REQUIRED		10.	·	UPPLIED		SIGNATURE	. Jannier
HIPPER THUIRD TOUT IONS	1	CAR	RIER Y					, Ira
ER:DATE: \	CHTH!	PER:	RGENCY RI		· week	<del></del>	_DATE: 💪	1464
			PHONE NU	3	. )		1	1
Permanent post office address of shipper					al is in transportation	n including stor	age incidental to transp	ortation (§172.604)



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Inbound Load Report**

Job Number:	87922	_		
Type of Material:	oily water			
Job Date:	6/17/2009			
Bill of Lading #:	87922			
Customer:	Enviro Solution			
Gross Weight:				
Tare Weight:		OR	Total Gallons Shipped:	5500
Net Weight:				
Shipping In	formation			
Carrier:	Petroleum Express			
Truck Number:				
Trailer Number:	1276			
CES Laborato	ry Use Only		Misc Notes:	
Specific Gravity:			nu - F	
Pounds per Gallon:			pH= 5 TOC= 94460	
Temperature:			Phenol= 10	
Total Gross Gallons	<b>55</b> 00		Solids= 1% Flash Point < 80 F	
% Water			~15% Oil ~84% H2O	
% Solids	1		Process to System 1	
<b>Total Net Gallons:</b>	5500		Surcharge @ \$0.25 per gallo	n
(minus water and so	lids)			
Sample Analyst:				
	(sign	ature)		
Sample Analyst:	Julius Prantil		Date:	6/19/2009

STRAIGHT BILL OF LADING - SHORT FORM- Orig	inal - I	Vot Neg	otiable		9	T	~ [‡]	
		1		Ship	per's No.	<u>*</u>	> ************************************	-
(Carrier) YELL SCAC.				Carri	er's No. 🕽		100	
Received isobject to the classifications and tariffs in effect on the date of this Bill of Lading:  at , date	(dr	$\mathcal{I}$	4	from	ENU	WES.	SOLUT	1005
the property described below, in apparent good order, except as noted (contents and condition of content throughout this contract as meaning any person or corporation in possession of the property under the cont	tract) agreès to	carry to its usual	place of deliver	y at said destin	nation, if on its own	road or its own w	ater line, otherwise to de	liver to another carrier
on the route to said destination. It is multially agreed, as to each carrier of all or any of said property over performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written in	erein containe	d (as specified in	Appendix B to P	art 1035) which	h are hereby agree	d to by the shippe	er and accepted for hims	at every service to be elf and his assigns.
(Mail or street address of consignee for purposes of notification only.)  TO:	F	ROM:	للمت	IKO	Soul	(LIDK)		
Consignee Street	1	Consignee Street 🕜		20.00 to				
Destination HOUSTON X Zip		Origin N	CNIT	(ZI.	LUEW	. i x Zir	)	
Route:			,			<b>)</b> ?		
	Trailer	Initial/	- 1-2		US	DOT Hazmat		
Delivering Carrier	Numb	ġ.	)     0	160	Reg.	Number		
fla of parkages HML Description of articles, special marks, and exceptions	Haza Cla	1		Packing Group	*Weight (subject to correction)	Class or rate	Labels requir	ed Check column
1 Duil Det o					STA	1		
- CICY PORTER					<u>7</u>	1.07		
NON-HAZARDOUS					WAL			
NON-FLACARIES		1			• \			
								_
10 V	YUN	7						
	1120							
HAFILET								
	Λ	1		P	January Land		-61	11/05
Ramik C.O.D. Ass	1/1		1) Ld .	Subject	to Section 7 of			
Remit C.O.D. to: Address:	1.	OD	AMT:	without reco	to be delivered t urse on the consign following stateme	nor, the consignor nt:	Prepaid 🗆	}
City: State: Zip:	\$			The car	rier shall not mak thout payment of fr	e delivery of this	Collect 17	
"If the shipment move between two ports to will accome toy water, the law may takes that the bit of locking shall state whether it is comer since shipper. Note: — where there are is dependent on value, shipper to eccured to state specifically in writing the agreed or declared value of the property is horeby. Specifically stated by the shipper be the not exceeding.	erty. C	narges Ac	vanced	lawidi cridi y			FREIGHT C	
This is to certify that the above named materials are properly described, classified, backaged marked and pLAC labeled, and are in proper condition for transportation according to the applicable regulations of the PLAC.	ARDS	· · · · · · · · · · · · · · · · · · ·	<del></del>		(Signature of cons	YES	NO - FURNISHED I	
Department of Transportation Per SHIPPER: TWO COLUMN TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION THE TRANSPORTATION THE TRANSPORTATION TO THE TRANSPORTATION TO THE TRANSPORTATION THE TRANSPORTATION THE TRANSPORTATION THE TRANS	IRED	CARDER	the second		UPPLIED	DRIVER'S	SIGNATURE	
PER:DATE:	7	CARRIER PER:	1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>( S. e</u>			DATE: 👝	
	<del></del>	EMERĞE		PONSE		·Wei ye ye		المتك
Permanent post office address of shipper		TELEPHO Monitored at all			) at is in transportati	on including stor	age incidental to transp	ocrtation (§172 604)

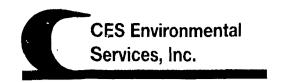
EO.Box 12029 - Austin, TX 78711

\$00.44°

049,182037546

Mailed From 78723 US POSTAGE

Thank You!

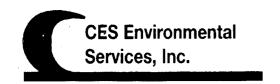
REPORT FRAUD Fraud Stoppersan Anonymous ttp line 1-800-488-4488 

4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Inbound Load Report**

Job Number:	87922			
Type of Material:	oily water			
Job Date:	6/17/2009			
	**************************************			
Bill of Lading #:	87922			
Customer:	Enviro Solution			
Gross Weight:				
Tare Weight:		OR	Total Gallons Shipped:	5500
Net Weight:			.,	-1
Shipping In	formation			
Carrier:	Petroleum Express			
Truck Number:		707-		
Trailer Number:	1276			
CES Laborato	ory Use Only		Misc Notes:	
Specific Gravity:				
Pounds per Gallon	:		pH= 5 TOC= 94460	
Temperature:			Phenol= 10	
Total Gross Gallon	<b>s:</b> 5500		Solids= 1% Flash Point < 80 F	
% Water			~15% Oil ~84% H2O	
% Solids	1		Process to System 1	
<b>Total Net Gallons:</b>	5500		Surcharge @ \$0.25 per gallo	n
(minus water and so	olids)			
Sample Analyst:		4		
		ature)	D-L-	6/10/2000
Sample Analyst:	Julius Prantil		Date:	6/19/2009

STRAIGHT BILL OF LADING - SHORT FORM- Origin	nal - Not Ne	gotiable				
					10540	
(Carrier) Carrier SCAC.			Carrier's No			
(Carrier) (ADVIVE TITE ALS SCAC.  Received, subject to the classifications and fairfs in effect on the date of this Bill of Lading:  at Hour Belvesta Target Adams, date 6	·08·07		from	NVIED	Salutions	
the property described below, in apparent good order, except as noted (contents and condition of contents o throughout this contract as meaning any person or corporation in possession of the property under the contract on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, here	if packages unknown), i it) agrees to carry to its u or any portion of said ro	narked, consigned, a sual place of delivery ute to destination, ar	and destined as indicated rat said destination, if on its nd as to each party at any t	below, which said con own road or its own wa me interested in all or	tipany (the word company b ater line, otherwise to deliver I any of said property, that ev	eing understood o another carrier ery service to be
(Mail or street address of consignee for purposes of notification only.)  TO: C F S  Consignee Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street C Street	Consign	se Hons	Tiof Balvier		77580	
Delivering Carrier	Trailer Initial/			S. DOT Hazmat		
The of parkings Hitil Description of articles, special marks, and exceptions	Hazard		Packing *Weigh Group subject	nt Class or	Labels required	Check column
Now HIZ. Now Reg.	3	1993 7	TT.			
***						
Oil + Water						
3000 Gallans						
3,300 3,110,2						
J#89396						
P#亞Q084						
Remit C.O.D. to:	COD	AMT:		of conditions, if this red to the consigner insignor the consigner	C.O.D FEE:	
Address: City: State: Zip: "If the shipment moves between two ports by a carner by water, the law ingulates that the bill of lading shall state whether it is carner s or shipper's without - where the rate is dependent on value, shappers are required to state specifically in writing the agreed or declared value of the property is hereby.	\$ Charges	Advanced	shall sign the following sta The carrier shall not	lement: make delivery of this.	Collect = \$	
Specifically stated by the shapper be be not exceeding  This is to certify that the above named materials are properly described, classified, packaged, marked and placebed, and are in proper condition for transportation according to the applicable regulations of the REQUIF REQUIRED.  Per	RDS		PLACARI SUPPLIE	S	Prepaid U  NO - FURNISHED BY C  SIGNATURE	
SHIPPER:		ER: <u>[ -Jy ir</u>	1 1	6,13	DATE 2 0	<u>, 7</u>
PER:DATE:	EMER	GENCY RES	IBER: ( )	ndalino acludino stor	DATE: (3 · 3 · 4 · 4 · 3 · 4 · 4 · 4 · 4 · 4 ·	



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

# **Inbound Load Report**

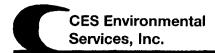
Job Number :	87376			
Type of Material:	oily water			
Job Date:	6/8/2009			
Bill of Lading #:	87376			
Customer:	Enviro Solution			
Gross Weight:				
Tare Weight:		OR	<b>Total Gallons Shipped:</b>	3000
Net Weight:	- 00 - 00 - 00 - 00 - 00 - 00 - 00 - 0			
Shipping In	formation			
Carrier:	Enviro Solutions			
Truck Number:				
Trailer Number:				
CES Laborato	ry Use Only		Misc Notes:	
Specific Gravity:	, , , , , , , , , , , , , , , , , , ,		toc 132300 ppm process to s	system 1 \$.25/gal
Pounds per Gallon				
Temperature:				
Total Gross Gallons	s: 3000			
% Water				
% Solids				
<b>Total Net Gallons:</b>	3000			
(minus water and so	lids)			
Sample Analyst:				
	(sign	nature)		
Sample Analyst:	Sam Brown		Date:	6/8/2009

24 JUN 88107

# MANDATORY: MUST FILL OUT EVERY DATA FIELD

CES Environmental Services, Inc.

•			M	W INCOMING	TANK TRUCK WATER TESTING DATA LO	G SHEET LEAD OPER	CALLED	! ! !
DATE	TIME	initials	Trailer Number	Customer Job Number	TESTING TYPE & RESULTS (must test pH & TOC on every sample)	WRITE in this COLUMN ALL INFO. that could be important	CHECK	
GIS	13 ME	initiale P	Trailer Number 151	Bigler JOB 87616 #: 3265	METALS= EMULSION: YES(NO) % Solids= Other TREAT or Test Info.?	inbound YES Outbound YES PFI Reviewed (YES) NO Problems ? TOTAL GAL= Out Job No.		1
OSTE	1335 (	Initials	Trailer Number	Miller JOB 8 7427 #:	METALS= EMULSION: YES NO: % Solids= Other TREAT or Test-Into.?	Inbound YES Outbound YES PFI Reviewed YES NO Problems? TOTAL GAL= Out Job No.		
GIS	1354	Initials A	Trailer Number	JOB (125) #: Profile # 205	METALS=  EMULSION: YES NO: % Solids=  Other TREAT or Test Info.?	Inbound YES Outbound YES PFI Reviewed YES NO Problems? TOTAL GAL= Out Job No.	<b>Q</b>	**
MIS	THATE	Initials	Trailer Number	JOB \$7748 #:	METALS= EMULSION: VES NO: % Solids= Other TREAT or Lest info.?  N 52 0; FP < 85	Inbound YES Outbound YES PFI Reviewed YES NO Problems ? TOTAL GAL= Out Job No.		
915	1420	AL	Trailer Number		PH= 1 TOC= 1856 of Phenol= 2 of METALS=  EMULSION: YES NO: % Solids= Other TREAT or Test Info.?	Inbound (YES) Outbound YES PFI Reviewed YES NO Problems? TOTAL GAL= 5938 Out Job No.	2	
EPAHO	TIME	AL	Trailer Number	EMIEN	pH= TOC= D Phenol= \ \   METALS= EMULSION: YES NO: % Solids= Other TREAT or Test Info.?	Inbound YES Outbound YES PFI Reviewed YES NO Problems? TOTAL GAL= Out Job No.		
AH004300120	TIME 50	initials	Trailer Number	HOHO!	pH= ( TOC=3504 Phenol= Z )  METALS= EMULSION: YES NO: % Solids= Z ?  Other TREAT or Test Info.? Movgun 5601  \$0.19 aa per	Inbound YES Outbound YES PFI Reviewed (YES) NO Problems ? TOTAL GAL= Out Job No.		



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information	n											
Company:	Enviro Solutio	ons - Baytowr	1										
Address :	11005 East I-	005 East I-10 11005 East I-10											
City, State, Zip:	Mont Belvieu	TX 77580											
Contact:	Karl Romero						Title:						
Phone No:	(409) 722-688	722-6880 Fax:											
24 / HR Phone :													
U.S EPA I.D No :	TXR0000556	R000055681											
State I.D :	A85786	5786 SIC Code											
SECTION 2: Billing	Information		and the same										
Company :	Enviro Solutio	ons - Baytowr	)										
Address :	11005 East I-	10 11005 Ea	ast I-10							PT-10-10-10-10-10-10-10-10-10-10-10-10-10-			v e v
City, State, Zip:	Mont Belvieu	TX 77580											
Contact :	Karl Romero						Title :						
Phone No:	(409) 722-688	30					Fax:			•			
SECTION 3: Gener	al Description o	of the Waste											
Name of Waste :	High alcohol \	Wastewater v	w/oily wat	er									
Detailed Descrip	tion of the Pro	ocess Gener	ating Wa	ste:									
gasoline/oil tankir													
	_		CI	4									
Physical State :	<b>✓</b> Liquid		Sluc	age		Po\	wder						
	Solid		Filte	er Cake		Col	nbinatio	on					
Color:	-	**************************************	clear		Odd	or:					alcohol		
Specific Gravity	(Water=1):		.96		Den	sity :				7.5-8	3	lk	os / gal
Does this material	contain any tot	al phenolic co	mpounds	?	Yes	;	<b>✓</b> No	)					
Does this material	contain any par	ra substituted	phenolic	compou	ınds?		Yes		<b>∕</b> No				
Is the Waste subje	ct to the benzer	ne waste oper	ation NES	HAP? (4	10 CFR P	art 61,	Subpart	FF)		Yes	<b>V</b>	No	
2812 2813	2816 2819	2821 2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865	2869 2873	2874 2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers :	<b>⊘</b> Single	e-Phas	⊡ Mul	ti-Phas	е								
Container Type	Drum		Tote	<b>✓</b>	Truck		Other	(explai	n)				
Container Size :	5000												
Number Of Units	3: 2												
Is this a USEPA "		<u>-</u>				es	<b>✓</b> N		·				
·	lease complete, s	_		/ing Haza	ardous Co	nstituer	nts Form	attached	a nereto				
If "Yes", is it:	D001	D002	D003										

Characteristic for Toxic			D007	
			D <b>011</b>	
Characteristics for Toxi	c Organics: D012 thru D043	(please list all that apply)		
	ed waste or mixed with one ist ALL applicable codes:	? Yes Y No		
Is this a commercial pro 261.33(e) or (f)?	oduct or spill cleanup that w	ould carry a "U" or "P" was	te code under 40 CFR	Yes 🗸 No
If "Yes", then pleas	e list ALL applicable codes:			
Texas State Waste Cod	le No : Recycle	3		
Proper U.S. State Wast	e Code No : Non	-RCRA/Non DOT regulated	I waste water (per 49 CFR 17	3.150 (e)(2))
Class : na	UN/NA: na	PG:	na	RQ: na
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
<100	6-9	na mg/l	na mg/l	<1 %
Oil and Grease	TOC	Zinc	Copper	Nickel
>1500 mg	/I 60K-70K mg/I	1-2 mg/l	0-1 mg/l	0-3 mg/
SECTION 4: Physical and	Chemical Data			
OLOTION 4. Thysical Line	COMPONENTS TABLE		Concentration	n Units
The material	/ product consists of the f		Ranges are accep	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	methanol/ethanol (flash point	<100)	<24	%
	water		76-85	%
	oil (flash point >160)		5-10	%
	<del> </del>			
SECTION 5: Safety Relate				
-	vaste requires the use of s	pecial protective equipme	ent, please explain.	
std				
SECTION S. Attached Sun	norting Decuments			
SECTION 6: Attached Sup		ttached to this form as na	ert of the waste approval pa	rkane
CES analytical	ics, data, allufol allalysis a	ttached to this form as pa	irt of the waste approval pa	chage.
•				
SECTION 7: Incompatibility	ties			
Please list all incompat	tibilities (if any):			
oxidizers				
CECTION O. Consister's M	Included Decumentation			
SECTION 8: Generator's K		notoristics listed below h	NAS NOT PERFORMED bas	ed upon the
following generators ki		acteristics, nateu below, v	TAC NOT LENFORMED DAS	ou upon uie
TCLP Metals :	<u>X</u>			
TCLP Volatilies :	X			
TCLP Semi-Volatiles :	<u>x</u> ,			
Reactivity:	<u>x</u>			
		2		

Ignita	bility: <u>x</u>
SECTION	ON 9: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge ?
If YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosph
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
П	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
<b>✓</b>	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
1 1	Wastewater from adhesive and/or epoxies formulation

Corrosivity:

X

Wastewater from organic chemical product operations

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the was	
, ,	te should be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of excess of the values listed below, the waste should be classified in the manual contents.	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
3) If the waste contains oil and grease less than 100 mg/L, and does not have or nickel above any of the values listed above, the waste should be class	
☐ Metals Subcatego	
Oils Subcatego	
✓ Organics Subcategory	
SECTION 10: Additional Instruction	
SECTION 11: Generator's Certification  The information contained herein is based on   generator knowledge	e and/or analytical data. I hereby cerity that the
above and attached description is complete and accurate to the best of deliberate or willful omissions of composition properties exist and that disclosed. I certify that the materials tested are representative of all ma	my knowledge and ability to determine that no all known or suspected hazards have been
deliberate or willful omissions of composition properties exist and that	my knowledge and ability to determine that no all known or suspected hazards have been
deliberate or willful omissions of composition properties exist and that disclosed. I certify that the materials tested are representative of all managements.	my knowledge and ability to determine that no all known or suspected hazards have been aterials described by this document.
deliberate or willful omissions of composition properties exist and that disclosed. I certify that the materials tested are representative of all materials tested are representative of all materials.	my knowledge and ability to determine that no all known or suspected hazards have been aterials described by this document.  Date: 6/15/2009  Process Facility Information:
deliberate or willful omissions of composition properties exist and that disclosed. I certify that the materials tested are representative of all materials desired Signature:  Printed Name / Title: Eric McCallum / 6/15/09  CES USE ONLY (DO NOT WRITE IN THIS SPACE)	my knowledge and ability to determine that no all known or suspected hazards have been aterials described by this document.  Date: 6/15/2009
deliberate or willful omissions of composition properties exist and that disclosed. I certify that the materials tested are representative of all materials described and several sections.  Authorized Signature:  Printed Name / Title: Eric McCallum / 6/15/09	my knowledge and ability to determine that no all known or suspected hazards have been aterials described by this document.  Date: 6/15/2009  Process Facility Information:
deliberate or willful omissions of composition properties exist and that disclosed. I certify that the materials tested are representative of all materials desired Signature:  Printed Name / Title: Eric McCallum / 6/15/09  CES USE ONLY (DO NOT WRITE IN THIS SPACE)	my knowledge and ability to determine that no all known or suspected hazards have been aterials described by this document.  Date: 6/15/2009  Process Facility Information:
deliberate or willful omissions of composition properties exist and that disclosed. I certify that the materials tested are representative of all materials desired Signature:  Printed Name / Title: Eric McCallum / 6/15/09  CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Prabhakar Thangudu	my knowledge and ability to determine that no all known or suspected hazards have been aterials described by this document.  Date: 6/15/2009  Process Facility Information:

**pH**: 6-9



# Waste Pre-Acceptance/Approval Letter

7/7/2009 Date

Dear **Karl Romero** 

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3374

**Expiration Date** 6/15/2011

Generator: Enviro Solutions - Baytown

11005 East I-10 Address:

Mont Belvieu, TX 77580

Waste Information

Name of Waste: High alcohol Wastewater w/oily water

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

gasoline/oil tanking contact water

Color: clear

Odor: alcohol

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

14

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Characteristic for Toxic	Metals: D004	D005 🔲 D006	☐ <b>D</b> 0	07	
	□ <b>D008</b> □	D009 🗌 D010	D0:	11	
Characteristics for Toxi	c Organics: D012 thru D043	3 (please list all tha	t apply)		
Is this an "F" or "K" List	ted waste or mixed with on	e? 🗌 Yes	<b>✓</b> No		
If "Yes", then please	e list ALL applicable codes:				
Is this a commercial pro 261.33(e) or (f)?	oduct or spill cleanup that v	vould carry a "U" or	"P" waste	code under 40 CFR	Yes 🗹 No
If "Yes", then pleas	e list ALL applicable codes:				
Texas State Waste Cod	le No : Recyc	e			
Proper U.S. State Wast	e Code No : No	n-RCRA/Non DOT	regulated w	aste water (per 49 CFR 17	3.150 (e)(2))
Class: na	UN/NA : na	3	PG:	na	RQ: na
Flash Point	рН	Reactive Sulf	ides	Reactive Cyanides	Solids
<100	6-9	na	mg/l	na mg/l	<1 %
Oil and Grease	тос	Zinc		Copper	Nickel
>1500 mg	/I 60K-70K mg/	1-2	mg/l	0-1 mg/l	0-3 mg/l
SECTION 4: Physical and					
The meterial	COMPONENTS TABI	BR33411		Concentratio	A Comment of the Action of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comme
The material	/ product consists of the methanol/ethanol (flash point)		<u> </u>	Ranges are accep	%
	water	1 (100)		76-85	%
	oil (flash point >160)			5-10	%
	, ,				
SECTION 5: Safety Relate					
If the handling of this v	vaste requires the use of	special protective	equipment	t, please explain.	
std					
SECTION 6: Attached Sup				. 6 (1)	-1
	tes, data, and/or analysis	attached to this to	rm as part	of the waste approval pa	скаge.
CES analytical					
SECTION 7: Incompatibili	ties				
Please list all incompa					
oxidizers	domaco (n any).				
SECTION 8: Generator's I	Knowledge Documentation				
Laboratory analysis of following generators k	the hazardous waste cha nowledge	racteristics, listed	below, WA	AS NOT PERFORMED bas	ed upon the
TCLP Metals :	X				
TCLP Volatilies :	<u>X</u>				
TCLP Semi-Volatiles :	<b>X</b> .				
Reactivity :	X				
		2			

lgnita	bility: <u>x</u>
SECTION	ON 9: Waste Receipt Classification Under 40 CFR 437
	material a wastewater or wastewater sludge ? ✓ YES □ NO
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosph
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes  Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
_	· ·
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
<b>V</b>	Solvent-bering wastes
	Off-specification organic product
	Still bottoms  Remarkust wests glyssl
	Byproduct waste glycol Wastewater from point washes
	Wastewater from paint washes Wastewater from adhesive and/or epoxies formulation
<u> </u>	vvasiewater ironi autresive anaror epoxies tormulation

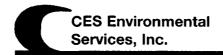
Corrosivity:

X

Wastewater from organic chemical product operations

be classified in the oils subcategory
ants listed below in concentrations in ocategory
entrations of cadmium, chromium, copper, ne organics subcategory.
data for the concentration of Cadmium, I laboratory a sample to determine these the cost of the analysis.
analytical data. I hereby cerity that the wledge and ability to determine that no on or suspected hazards have been lescribed by this document.
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wledge and ability to determine that no on or suspected hazards have been lescribed by this document.  Date: 6/15/2009  Process Facility Information:
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4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	ator Informatio	n											
Company :	Enviro Solutio	ons - Bay	town										
Address :	11005 East I-	-10 1100	5 East I-10										
City, State, Zip :	Mont Belvieu	TX 7758	0										
Contact:	Karl Romero						Title :						
Phone No :	(409) 722-68	80					Fax:			4 -1			
24 / HR Phone :													
U.S EPA I.D No:	TXR0000556	81											
State I.D :	A85786						SIC Co	ode					
SECTION 2: Billing	Information												
Company:	Enviro Solutio	ons - Bay	town										
Address :	11005 East I-	-10 1100	5 East I-10										
City, State, Zip :	Mont Belvieu	TX 7758	0										
Contact:	Karl Romero	Karl Romero Title :											
Phone No:	(409) 722-6880 Fax :												
SECTION 3: General	al Description	of the Wa	ste										
Name of Waste:	High alcohol	Wastewa	ater w/oily wa	ater									
Detailed Descript	tion of the Pr	ocess G	enerating W	/aste:									
gasoline/oil tankin	g contact wate	er											
Physical State :	<b>✓</b> Liquid	d	SII	udge		Pov	wder						
	Solid		□ Fil	ter Cake		Cor	mbinatio	on					
Color:			clear		Od	or:					alcohol	. ,,	
Specific Gravity	(Water=1) :		.96		Dei	nsity:				7.5-8	}		bs / gal
Does this material	contain any tol	tal phenol	ic compound	ds?	_ Ye	s	<b>✓</b> No	)					
Does this material	contain any pa	ra substit	uted phenoli	с сотро	unds?		Yes	V	<b>N</b> o				
Is the Waste subject	ct to the benze	ne waste	operation NE	SHAP? (	40 CFR F	Part 61,	Subpart	:FF)		Yes	✓	No	
	2816 2819 2869 2873		2822 2823 2876 2879	2824 2891	2833 2892	2834 2893	2835 2896	2836 2899	2841 2911	2842 3312	2843 4953	2844 4959	2851 9511
Layers :	<b></b> Singl	le-Phas	<b>™</b> M	ulti-Phas	se								
Container Type :	Drum	1 🔯	Tote	<b>✓</b>	Truck		Other	(explair	1)				
Container Size :	5000												
Number Of Units	: 2												
Is this a USEPA "I		-			_	<b>Yes</b> onstituer	✓ N nts Form		d hereto				
If "Yes", is it:	D001	D002	☐ D003										

# Material Safety Data Sheet

Methyl Alcohol, Reagent ACS, 99.8% (GC)

# ACC# 95294

# Section 1 - Chemical Product and Company Identification

MSDS Name: Methyl Alcohol, Reagent ACS, 99.8% (GC)

Catalog Numbers: AC423950000, AC423950010, AC423950020, AC423955000, AC9541632,

AC423952

**Synonyms:** Carbinol; Methanol; Methyl hydroxide; Monohydroxymethane; Pyroxylic spirit; Wood

alcohol; Wood naptha; Wood spirit; Monohydroxymethane; Methyl hydrate.

Company Identification:

Acros Organics N.V. One Reagent Lane Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01 For emergencies in the US, call CHEMTREC: 800-424-9300

# Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
67-56-1	Methyl alcohol	99+	200-659-6

Hazard Symbols: TF

Risk Phrases: 11 23/24/25 39/23/24/25

# Section 3 - Hazards Identification

#### **EMERGENCY OVERVIEW**

Appearance: clear, colorless. Flash Point: 11 deg C. Poison! Cannot be made non-poisonous. Causes eye and skin irritation. May be absorbed through intact skin. This substance has caused adverse reproductive and fetal effects in animals. **Danger!** Flammable liquid and vapor. Harmful if inhaled. May be fatal or cause blindness if swallowed. May cause central nervous system depression. May cause digestive tract irritation with nausea, vomiting, and diarrhea. Causes respiratory tract irritation. May cause liver, kidney and heart damage.

Target Organs: Kidneys, heart, central nervous system, liver, eyes.

### Potential Health Effects

**Eye:** Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause painful sensitization to light.

**Skin:** Causes moderate skin irritation. May be absorbed through the skin in harmful amounts. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.

Ingestion: May be fatal or cause blindness if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause cardiopulmonary system effects.

Inhalation: Harmful if inhaled. May cause adverse central nervous system effects including

http://avo.gadro.chem.iastate.edu/MSDS/methanol.htm

headache, convulsions, and possible death. May cause visual impairment and possible permanent blindness. Causes irritation of the mucous membrane.

**Chronic:** Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion. Chronic exposure may cause reproductive disorders and teratogenic effects. Laboratory experiments have resulted in mutagenic effects. Prolonged exposure may cause liver, kidney, and heart damage.

# Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

**Inhalation:** Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: Effects may be delayed. Ethanol may inhibit methanol metabolism.

# Section 5 - Fire Fighting Measures

**General Information:** Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May be ignited by heat, sparks, and flame.

**Extinguishing Media:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. For large fires, use water spray, fog or alcohol-resistant foam. Do NOT use straight streams of water.

# Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8. **Spills/Leaks:** Scoop up with a nonsparking tool, then place into a suitable container for disposal. Use water spray to disperse the gas/vapor. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

# Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Keep containers tightly closed. Do not store in aluminum or lead containers.

# Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use only under a chemical fume hood.

**Exposure Limits** 

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methyl alcohol	200 ppm TWA; 250 ppm STEL; skin - potential for cutaneous absorption	200 ppm TWA; 260 mg/m3 TWA 6000 ppm IDLH	200 ppm TWA; 260 mg/m3 TWA

**OSHA Vacated PELs:** Methyl alcohol: 200 ppm TWA; 260 mg/m3 TWA; 250 ppm STEL; 325 mg/m3 STEL

Personal Protective Equipment

Eyes: Wear chemical goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR §1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace

conditions warrant a respirator's use.

# Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: clear, colorless

**Appearance:** clear, colorless **Odor:** alcohol-like - weak odor

pH: Not available.

Vapor Pressure: 128 mm Hg @ 20 deg C

Vapor Density: 1.11 (Air=1) Evaporation Rate:5.2 (Ether=1) Viscosity: 0.55 cP 20 deg C

Boiling Point: 64.7 deg C @ 760.00mm Hg

Freezing/Melting Point: -98 deg C

Autoignition Temperature: 464 deg C (867.20 deg F)

Flash Point: 11 deg C (51.80 deg F)

**Decomposition Temperature:** Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 3; Reactivity: 0

Explosion Limits, Lower: 6.0 vol %

**Upper:** 36.00 vol % **Solubility:** miscible

Specific Gravity/Density:.7910g/cm3

Molecular Formula:CH40 Molecular Weight:32.04

# Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

Conditions to Avoid: High temperatures, incompatible materials, ignition sources, oxidizers. Incompatibilities with Other Materials: Acids (mineral, non-oxidizing, e.g. hydrochloric acid, hydrofluoric acid, muriatic acid, phosphoric acid), acids (mineral, oxidizing, e.g. chromic acid, hypochlorous acid, nitric acid, sulfuric acid), acids (organic, e.g. acetic acid, benzoic acid, formic acid, methanoic acid, oxalic acid), azo, diazo, and hydrazines (e.g. dimethyl hydrazine, hydrazine, methyl hydrazine), isocyanates (e.g. methyl isocyanate), nitrides (e.g. potassium nitride, sodium nitride), peroxides and hydroperoxides (organic, e.g. acetyl peroxide, benzoyl peroxide, butyl peroxide, methyl ethyl ketone peroxide), epoxides (e.g. butyl glycidyl ether), Oxidants (such as barium perchlorate, bromine, chlorine, hydrogen peroxide, lead perchlorate, perchloric acid, sodium hypochlorite)., Active metals (such as potassium and magnesium)., acetyl bromide, alkyl aluminum salts, beryllium dihydride, carbontetrachloride, carbon tetrachloride + metals, chloroform + heat, chloroform + sodium hydroxide, cyanuric chloride, diethyl zinc, nitric acid, potassium-tert-butoxide, chloroform + hydroxide, water reactive substances (e.g. acetic anyhdride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane).

**Hazardous Decomposition Products:** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, formaldehyde.

Hazardous Polymerization: Will not occur.

# Section 11 - Toxicological Information

RTECS#:

CAS# 67-56-1: PC1400000

LD50/LC50: CAS# 67-56-1:

Draize test, rabbit, eye: 40 mg Moderate; Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, skin: 20 mg/24H Moderate;

Inhalation, rat: LC50 = 64000 ppm/4H; Oral, mouse: LD50 = 7300 mg/kg; Oral, rabbit: LD50 = 14200 mg/kg;

Oral, rat: LD50 = 5628 mg/kg; Skin, rabbit: LD50 = 15800 mg/kg;

Carcinogenicity:

CAS# 67-56-1: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** Methanol has been shown to produce fetotoxicity in the embr yo or fetus of laboratory animals. Specific developmenta I abnormalities include cardiovascular, musculoskeletal, and urogenital systems.

**Teratogenicity:** Effects on Newborn: Behaviorial, Oral, rat: TDLo=7500 mg/kg (female 17-19 days after conception). Effects on Embryo or Fetus: Fetotoxicity, Inhalation, rat: TCLo=10000

ppm/7H (female 7-15 days after conception). Specific Developmental Abnormalities: Cardiovascular, Musculoskeletal, Urogenital, Inhalation, rat: TCLo=20000 ppm/7H (7-14 days after conception).

**Reproductive Effects:** Paternal Effects: Spermatogenesis: Intraperitoneal, mouse TDLo=5 g/kg ( male 5 days pre-mating). Fertility: Oral, rat: TDLo = 35295 mg/kg (female 1-15 days after conception). Paternal Effects: Testes, Epididymis, Sperm duct: Oral, rat: TDLo = 200 ppm/20H (male 78 weeks pre-mating).

Neurotoxicity: No information available.

**Mutagenicity:** DNA inhibition: Human Lymphocyte = 300 mmol/L. DNA damage: Oral, rat = 10 umol/kg. Mutation in microorganisms: Mouse Lymphocyte = 7900 mg/L. Cytogenetic analysis: Oral, mouse = 1 gm/kg.

**Other Studies:** Standard Draize Test(Skin, rabbit) = 20 mg/24H (Moderate) S tandard Draize Test: Administration into the eye (rabbit) = 40 mg (Moderate). Standard Draize test: Administration int o the eye (rabbit) = 100 mg/24H (Moderate).

# Section 12 - Ecological Information

**Ecotoxicity:** Fish: Fathead Minnow: 29.4 g/L; 96 Hr; LC50 (unspecified) Goldfish: 250 ppm; 11 Hr; resulted in death Rainbow trout: 8000 mg/L; 48 Hr; LC50 (unspecified) Rainbow trout: LC50 = 13-68 mg/L; 96 Hr.; 12 degrees C Fathead Minnow: LC50 = 29400 mg/L; 96 Hr.; 25 degrees C, pH 7.63 Rainbow trout: LC50 = 8000 mg/L; 48 Hr.; Unspecified ria: Phytobacterium phosphoreum: EC50 = 51,000-320,000 mg/L; 30 minutes; Microtox test No data available.

**Environmental:** Dangerous to aquatic life in high concentrations. Aquatic toxicity rating: TLm 96>1000 ppm. May be dangerous if it enters water intakes. Methyl alcohol is expected to biodegrade in soil and water very rapidly. This product will show high soil mobility and will be degraded from the ambient atmosphere by the reaction with photochemically produced hyroxyl radicals with an estimated half-life of 17.8 days. Bioconcentration factor for fish (golden ide) < 10. Based on a log Kow of -0.77, the BCF value for methanol can be estimated to be 0.2.

Physical: No information available.

Other: None.

# Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: CAS# 67-56-1: waste number U154; (Ignitable waste).

# Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	METHANOL				METHANOL
Hazard Class:	3				3(6.1)
UN Number:	UN1230				UN1230
Packing Group:	II				II
Additional Info:					FLASHPOINT

smoking.

S 36/37 Wear suitable protective clothing and gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 7 Keep container tightly closed.

## WGK (Water Danger/Protection)

CAS# 67-56-1: 1

#### Canada

CAS# 67-56-1 is listed on Canada's DSL List. CAS# 67-56-1 is listed on Canada's DSL List. This product has a WHMIS classification of B2, D1A, D2B. CAS# 67-56-1 is listed on Canada's Ingredient Disclosure List.

#### **Exposure Limits**

CAS# 67-56-1: OEL-ARAB Republic of Egypt:TWA 200 ppm (260 mg/m3);Ski n OEL-AUSTRALIA:TWA 200 ppm (260 mg/m3);STEL 250 ppm;Skin OEL-BELGIU M:TWA 200 ppm (262 mg/m3);STEL 250 ppm;Skin OEL-CZECHOSLOVAKIA:TWA 10 0 mg/m3;STEL 500 mg/m3 OEL-DENMARK:TWA 200 ppm (260 mg/m3);Skin OEL-FIN LAND:TWA 200 ppm (260 mg/m3);STEL 250 ppm;Skin OEL-FRANCE:TWA 200 ppm (260 mg/m3);STEL 1000 ppm (1300 mg/m3) OEL-GERMANY:TWA 200 ppm (2 60 mg/m3);Skin OEL-HUNGARY:TWA 50 mg/m3;STEL 100 mg/m3;Skin JAN9 OEL -JAPAN:TWA 200 ppm (260 mg/m3);Skin OEL-THE NETHERLANDS:TWA 200 ppm ( 26O mg/m3); Skin OEL-THE PHILIPPINES: TWA 200 ppm (260 mg/m3) OEL-POLA ND:TWA 100 mg/m3 OEL-RUSSIA:TWA 200 ppm;STEL 5 mg/m3;Skin OEL-SWEDEN :TWA 200 ppm (250 mg/m3);STEL 250 ppm (350 mg/m3);Skin OEL-SWITZERLAN D:TWA 200 ppm (260 mg/m3);STEL 400 ppm;Skin OEL-THAILAND:TWA 200 ppm (26 O mg/m3) OEL-TURKEY:TWA 200 ppm (260 mg/m3) OEL-UNITED KINGDOM:TW A 200 ppm (260 mg/m3);STEL 250 ppm;Skin OEL IN BULGARIA, COLOMBIA, JO RDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM ch eck ACGI TLV

# Section 16 - Additional Information

**MS DS Creation Date:** 7/21/1999 **Revision #4 Date:** 3/14/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

## Material Safety Data Sheet

Ethyl Alcohol, 70%

ACC# 91791

#### Section 1 - Chemical Product and Company Identification

MSDS Name: Ethyl Alcohol, 70%

Catalog Numbers: S75119, S75120, S556CA4

Synonyms: Ethyl Alcohol; Ethyl Hydrate; Ethyl Hydroxide; Fermentation Alcohol; Grain Alcohol; Methylcarbinol;

Molasses Alcohol; Spirits of Wine.

**Company Identification:** 

Fisher Scientific 1 Reagent Lane Fair Lawn, NJ 07410

For information, call: 201-796-7100 Emergency Number: 201-796-7100

For CHEMTREC assistance, call:800-424-9300

For International CHEMTREC assistance, call:703-527-3887

#### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
64-17-5	Ethyl alcohol	70	200-578-6
7732-18-5	Water	30	231-791-2

Hazard Symbols: Fisk Phrases: 11

Section 3 - Hazards Identification

### **EMERGENCY OVERVIEW**

Appearance: colorless clear liquid. Flash Point: 16.6 deg C. Flammable liquid and vapor May cause central nervous system depression. Causes severe eye irritation. Causes respiratory tract irritation. Causes moderate skin irritation. This substance has caused adverse reproductive and fetal effects in humans. **Warning!** May cause liver, kidney and

heart damage.

Target Organs: Kidneys, heart, central nervous system, liver.

Potential Health Effects

**Eye:** Causes severe eye irritation. May cause painful sensitization to light. May cause chemical conjunctivitis and corneal damage.

Skin: Causes moderate skin irritation. May cause cyanosis of the extremities.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

**Inhalation:** Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.

**Chronic:** May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects. Animal studies have reported the development of tumors. Prolonged exposure may cause liver, kidney, and heart damage.

## Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Gently lift eyelids and flush continuously with water.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Flush skin with plenty of soap and water.

**Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If

breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

**Notes to Physician:** Treat symptomatically and supportively. Persons with skin or eye disorders or liver, kidney, chronic respiratory diseases, or central and peripheral nervous sytem diseases may be at increased risk from exposure to this substance.

Antidote: Replace fluid and electrolytes.

Section 5 - Fire Fighting Measures

**General Information:** Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire, Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.

**Extinguishing Media:**For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water.

Flash Point: 16.6 deg C ( 61.88 deg F)

Autoignition Temperature: 363 deg C ( 685.40 deg F)

Explosion Limits, Lower 3.3 vol %

Upper: 19.0 vol %

NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8. **Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**Storage:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Do not store near perchlorates, peroxides, chromic acid or nitric acid.

Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Exposure Limits** 

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethyl alcohol	1000 ppm TWA	1000 ppm TWA: 1900 mg/m3 TWA 3300 ppm IDLH	1000 ppm TWA: 1900 mg/m3 TWA
Water	none listed	none listed	none listed

**OSHA Vacated PELs:** Ethyl alcohol: 1000 ppm TWA; 1900 mg/m3 TWA Water: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

#### Section 9 - Physical and Chemical Properties

Physical State: Clear liquid Appearance: colorless

Odor: Mild, rather pleasant, like wine or whis

pH: Not available.

Vapor Pressure: 59.3 mm Hg @ 20 deg C

Vapor Density: 1.59

**Evaporation Rate:** Not available. **Viscosity:** 1.200 cP @ 20 deg C **Boiling Point:** 78 deg C

Freezing/Melting Point: 114.1 deg C
Decomposition TemperatureNot available.

Solubility: Miscible.

Specific Gravity/Density:0.790 @ 20°C

Molecular FormulaC2H5OH Molecular Weight:46.0414

#### Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, ignition sources, excess heat, oxidizers.

**Incompatibilities with Other Materials:** Strong oxidizing agents, acids, alkali metals, ammonia, hydrazine, peroxides, sodium, acid anhydrides, calcium hypochlorite, chromyl chloride, nitrosyl perchlorate, bromine pentafluoride, perchloric acid, silver nitrate, mercuric nitrate, potassium-tert-butoxide, magnesium perchlorate, acid chlorides, platinum, uranium hexafluoride, silver oxide, iodine heptafluoride, acetyl bromide, disulfuryl difluoride, tetrachlorosilane + water, acetyl chloride, permanganic acid, ruthenium (VIII) oxide, uranyl perchlorate, potassium dioxide.

Hazardous Decomposition Products Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide. Hazardous Polymerization: Will not occur.

#### Section 11 - Toxicological Information

RTECS#:

CAS# 64-17-5: KQ6300000 CAS# 7732-18-5: ZC0110000 LD50/LC50:

CAS# 64-17-5:

Draize test, rabbit, eye: 500 mg Severe; Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 20 mg/24H Moderate; Inhalation, mouse: LC50 = 39 gm/m3/4H; Inhalation, rat: LC50 = 20000 ppm/10H; Oral, mouse: LD50 = 3450 mg/kg; Oral, rabbit: LD50 = 6300 mg/kg; Oral, rat: LD50 = 9000 mg/kg; Oral, rat: LD50 = 7060 mg/kg;

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;

#### Carcinogenicity:

CAS# 64-17-5:

ACGIH: A4 - Not Classifiable as a Human Carcinogen CAS ≠ 7732-18-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** Ethanol has been shown to produce fetotoxicity in the embry o or fetus of laboratory animals. Prenatal exposure to ethanol is associated with a distinct pattern of congenital malformations that have collectively been termed the "fetal alcohol syndrome".

**Teratogenicity:** Oral, Human - woman: TDLo = 41 gm/kg (female 41 week(s) after conception) Effects on Newborn - Apgar score (human only) and Effects on Newborn - other neonatal measures or effects and Effects on Newborn - drug dependence.

**Reproductive Effects:** Intrauterine, Human - woman: TDLo = 200 mg/kg (female 5 day(s) pre-mating) Fertility - female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated). **Neurotoxicity:** No information available.

Mutagenicity: DNA Inhibition: Human, Lymphocyte = 220 mmol/L.; Cytogenetic Analysis: Human, Lymphocyte = 1160

gm/L.; Cytogenetic Analysis: Human, Fibroblast = 12000 ppm.; Cytogenetic Analysis: Human, Leukocyte = 1 pph/72H (Continuous).; Sister Chromatid Exchange: Human, Lymphocyte = 500 ppm/72H (Continuous).

**Other Studies:** Standard Draize Test(Skin, rabbit) = 20 mg/24H (Moderate) S tandard Draize Test: Administration into the eye (rabbit) = 500 mg (Severe).

#### Section 12 - Ecological Information

**Ecotoxicity:** Fish: Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr; Flow-through @ 24-24.3°C Rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling (Unspecified) ria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min; Microtox test When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish.

**Environmental:** When released to the atmosphere it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rainout should be significant.

**Physical:** No information available. **Other:** No information available.

#### Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. RCRA U-Series: None listed.

#### Section 14 - Transport Information

er Carlotte and Allegan Carlotte	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	ETHANOL				No information available.
Hazard Class:	3				
UN Number:	UN1170				
Packing Group:	II				

#### Section 15 - Regulatory Information

## **US FEDERAL**

#### TSCA

CAS# 64-17-5 is listed on the TSCA inventory.

CAS# 7732-18-5 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### **Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

## Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### SARA

#### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

#### SARA Codes

CAS # 64-17-5: acute, chronic, flammable.

#### Section 313

No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

#### Clean Water Act:

#### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### OSHA

None of the chemicals in this product are considered highly hazardous by OSHA.

#### STATE

CAS# 64-17-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

WARNING: This product contains Ethyl alcohol, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed.

# European/International Regulations European Labeling in Accordance with EC Directives Hazard Symbols:

r Risk Phrases:

R 11 Highly flammable.

#### Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 33 Take precautionary measures against static

discharges.

S 7 Keep container tightly closed.

S 9 Keep container in a well-ventilated place.

#### WGK (Water Danger/Protection)

CAS# 64-17-5: 0

CAS# 7732-18-5: No information available.

Canada - DSL/NDSL

CAS# 64-17-5 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B2, D2A, D2B.

Canadian Ingredient Disclosure List

CAS#  $64-17-\overline{5}$  is listed on the Canadian Ingredient Disclosure List.

#### **Exposure Limits**

CAS # 64-17-5: OEL-AUSTRALIA:TWA 1000 ppm (1900 mg/m3) OEL-BELGIUM:T WA 1000 ppm (1880 mg/m3) OEL-CZECHOSLOVAKIA:TWA 1000 mg/m3;STEL 5000 mg/m3 OEL-DENMARK:TWA 1000 ppm (1900 mg/m3) OEL-FINLAND:TWA 1000 ppm (1900 mg/m3);STEL 1250 ppm (2400 mg/m3) OEL-FRANCE:TWA 1000 ppm (1900 mg/m3);STEL 5000 pp OEL-GERMANY:TWA 1000 ppm (1900 mg/m3) OEL-HUNG ARY:TWA 1000 mg/m3;STEL 3000 mg/m3 OEL-THE NETHERLANDS:TWA 1000 ppm (1900 mg/m3) OEL-POLAND:TWA 1000 mg/m3 OEL-THE PHILIPPINES:TWA 1000 ppm (1900 mg/m3) OEL-POLAND:TWA 1000 mg/m3 OEL-SWITZERLAND:TWA 1000 ppm (1900 mg/m3) OEL-SWITZERLAND:TWA 1000 ppm (1900 mg/m3) OEL-THAILAND:TWA 1000 ppm (1900 mg/m3) OEL-THAILAND:TWA 1000 ppm (1900 mg/m3) OEL-UN ITED KINGDOM:TWA 1000 ppm (1900 mg/m3) JAN9 OEL IN BULGARIA, COLOMBIA , JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNA M check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 4/17/2001 Revision #1 Date: 4/17/2001

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

MSDS Number: M7700 ** * * * * Effective Dute: 05/19/08 ** * * * Supercedes: 08/18/05

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# MINERAL OIL

500-582-3537; for assistance

### 1. Product Identification

Synonyms: Paraffin oil; liquid petrolatum: White Mineral Oil; Nujol

CAS No.: 8012-95-1

Molecular Weight: Not applicable. Chemical Formula: Not applicable.

Product Codes: J.T. Baker: 2705 Mallinckrodt: 6357, 6358

# 2. Composition/Information on Ingredients

Ingrediens	CAS No	Percent	Halardous
Oli, Mineral	3012-35-1	30 - 100°	Yes

#### 3. Hazards Identification

#### **Emergency Overview**

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. COMBUSTIBLE LIQUID AND VAPOR.

SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 2 - Moderate Flammability Rating: 1 - Slight

Reactivity Rating: 0 - None Contact Rating: 2 - Moderate Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES

Storage Color Code: Green (General Storage)

## Potential Health Effects

## Inhalation:

Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. Inhalation of mist or vapor may produce aspiration pneumonia.

## Ingestion:

Material is a cathartic and can cause serious diarrhea. Nausea and vomiting may also occur and possibly abdominal cramping. Aspiration of mineral oil into the lungs can cause chemical pneumonia.

#### Skin Contact:

Prolonged contact may cause irritation; occasionally dermatitis due to hypersensitivity occurs.

# Eye Contact:

Mists or fumes can irritate the eyes. Can cause discomfort similar to motor oil.

#### Chronic Exposure:

Prolonged or repeated skin exposure may cause dermatitis. Highly refined mineral oils are not classified as human carcinogens. However, related forms (untreated and mildly-treated oils) are listed as human carcinogens by both NTP and LARC.

# Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

MINERAL OIL Page 2 of 4

#### 4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, Get medical attention,

Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. Aspiration hazard.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eve Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately,

### 5. Fire Fighting Measures

Fire:

Flash point: 135C (275F) CC

Autoignition temperature: 260 - 370C (500 - 698F)

Combustible Liquid and Vapor!

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide. Water or foam may cause frothing. Do not allow water runoff to enter sewers or waterways. Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

#### 6. Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep tunnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

#### 7. Handling and Storage

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect against physical damage. Store separately from reactive or combustible materials, and out of direct sunlight. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

## 8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

For Mineral Oil; Misted1:

-OSHA Permissible Exposure Limit (PEL): 5 mg/m3

- ACGIH Threshold Limit Value (TLV):

5 mg/m3 (TWA) 10 mg/m3 (STEL)

( las sampled by method that does not collect vapor)

( 1Refers to airborne mist of mineral oil)

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type P95 or R95 filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is Lowest. A full-face piece particulate respirator (NIOSH type P100 or R100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency. or respirator supplier, whichever is lowest. Please note that N filters are not recommended for this material. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-Durifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eve Protection

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

# 9. Physical and Chemical Properties

Appearance:

Clear oily liquid.

Odor:

Odorless Solubility: Insoluble in water. Specific Gravity: Heavy: 0.845 to 0.905 Light: 0.818 to 0.880 No information found.
% Volatiles by volume @ 21C (70F): **Boiling Point:** 260 - 330C (500 - 626F) Melting Point: No information found. Vapor Density (Air=1): Vapor Pressure (mm Hg): Evaporation Rate (BuAc=1): No information found.

# 10. Stability and Reactivity

#### Stability:

Stable under ordinary conditions of use and storage. May solidify at room temperature.

**Hazardous Decomposition Products:** 

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities: Strong oxidizers.

Conditions to Avoid:

Heat, flames, ignition sources and incompatibles.

# 11. Toxicological Information

Irritation Data, rabbit (Std Draize): skin=100 mg/24H, mild; eye=500 mg, moderate, Investigated as a tumorigen. Oral rat LD50: 22 gm/kg

Cancer Lists							
	NTP Cardinogen						
Ingredient	Known	Anticipated	[ARC Category				
Cil, Minecal :8012-95-1:	Mo	650	Non z				

## 12. Ecological Information

Environmental Fate: No information found. **Environmental Toxicity:** No information found.

## 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport Information

Not regulated.

## 15. Regulatory Information

Chemical Inventory Status - Part 1: Ingradient				Australia
Oil, Mineral (8012-85-1)	(33	T-3	No	7:33
			anada	
Ingradiant	Sorea		WDSL	

MINERAL OIL Page 4 of 4

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Oil, Mineral (9012-95-)
                                          Tes Yes No
 Mo Mo
 Oil, Mineral (9012-95-1)
 -----\Faderal, State 4 Enternational Regulations - Part 2,----
                                             -RCRA- -TSCA-
261.33 8:d/
         Oil, Mineral .8012-95-1.
Chemical Weapons Convention: No TSCA 12:6.: No CDTA: No SAPA 311:313: Acute: Yes Chronic: No Fire: Yes Pressure: No Reaccivity: No (Pure / Liquid)
```

Australian Hazchem Code: None allocated.

Poison Schedule: S5

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains aft of the information required by the CPR.

### 16. Other Information

NFPA Ratings: Health: 0 Flammability: 1 Reactivity: 0

Label Hazard Warning:

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT, COMBUSTIBLE LIQUID AND VAPOR.

### Label Precautions:

Avoid breathing mist.

Keep container closed.

Use only with adequate ventilation.

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Keep away from heat, sparks and flame.

Label First Aid:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases, get medical attention.

Product Use:

Laboratory Reagent.

Revision Information:

No Changes.

Mallinckrodt Baker, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Inis document is interiore only as a guide to the appropriate precautionary nanding of the material by a properly trained person using this product Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

MALLINCKRODT BAKER, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS, ACCORDINGLY, MALLINCKRODT BAKER, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

Prepared by: Environmental Health & Safety

Phone Number: (314) 654-1600 (U.S.A.)

Date: 7 - 8 - 09

Regarding the personal effects of Bruce Howard (SSN(b) (6) 1 Herbert Forcey (DL: Texas (b) (6) 1 Claim to be the brother of Bruce Howard.

On this date (7-8-09) I took possession of the attached list of personal items that belong to Bruce Howard. These items were held in safekeeping by CES Environmental Services. I have inventoried the items and agree that the inventory list is complete and accurate. These items are now in my possession and I take legal responsibility for these items. I understand that CES is giving me these items because of their belief that of my family relationship with Bruce Howard.

Signature: Harland forces

I Greg Bowman, Vice President of CES Environmental Services, have reviewed the records we have on file for Bruce Howard. I could not identify any family members from his file. However, I have spoken with (b) (6) We have reason to believe (b) (6) is the sister of Bruce Howard. It is her wish that we provide the Personal Effects of Bruce Howard to Mr. Herbert Forcey. She confirms that Mr. Forcey is the brother of Bruce Howard.

Greg Bowman

JUANITA F. THOMAS MY COMMISSION EXPIRES May 24, 2013

Juante & Thomas



#### **Bruce C. Howard Personal Items:**

- 1. Wallet- containing the following:
  - \$287 Cash
  - Drivers License
  - Social Security Card
  - Ace Cash Express Member Card
- 2. Keys
- 3. Car (CES DID NOT inventory the car)
- 4. One pair of Sandals
- 5. One pair of Nike Shoes
- 6. One bottle of vitamins
- 7. Duffel bag- containing the following:
  - One ball cap
  - One bar soap
  - One deodorant
  - One bottle of lotion
  - One bottle of soap
  - One tube tooth paste
  - One pair of pants
  - Boxer shorts
  - One shirt
  - One undershirt
  - Pair of flip flops
  - One towel
  - One wash rag

CES Environmental Services, Inc is releasing the personal items of Bruce C. Howard to
Bruce's following family members:
Print name: Herbert Force Signature: Date: 7/8/04 Relationship: Relationship: Relationship:
CES witness's: Janes P. Pharas, toke Acusta Date: 7/8/09 @9:15am

Employee Name: Bruse Howard.
Emergency Contact: Elisabeth
Relationship:
(b) (6)  Emergency Contact Phone #: _
Patricia Smith  Harris County Membral  713-796-6740  Case  ML 89-2257  59.000 40  713-646-5321

Luis Sanchez M.D. Chief Medical Examiner

Forensic investigators (713) 796-6740

Fax: (713) 796-6842 Fax (713) 796-6991

#### **Harris County Medical Examiner**

Joseph A Jachimczyk Forensic Center 1885 Old Spanish Trail Houston, Texas 77054

#### FEDX

☐ Urgent – Autopsy pending		;	x Stat Request	
	DOB: (b) (6)			
Decedent	BRUCE C. HOWARD	DOB:		
ML#:	ML09-2257	DOD:	7-7-09	
Attention:	CFO-GREG BOWMAN	Fax:	7136761676	
To:	CES ENVIRONMENTAL SERVICES	Phone:	713-676-1460	

In accordance with the Texas C xde of Criminal Procedures, Article 49.25, an investigation is conducted into the death of the below named decedent whose remains have come under the jurisdiction of the Harris County Medical Examiner. Authorization is hereby given to release any and all medical records and pertinent information associated with this decedent as indicated below. Release of protected health information to the Medical Examiner is authorized under the federal Health Insurance Portability and Accountability Act (HIPAA) at 45 CFR 164.512 (g) (1) and under the federal Confidentiality of Alcohol and Drug Treatment Act at 42 CFR 2.15 (b).

Please fax or mail all requested information to the Investigative Division at the above fax and address.

DATE: Tuesday, July 07, 2009 5:52 PM

Hospital Records:		Doctor's Office:	Police/EMS/Fire:		
Admission Records		MD Notes	Police Report		
DOS:		DOS:	Case #		
D/C Summary (if or	file)	Medication Sheet	Scene Photos		
Operative Reports		Last 5 visits	EMS Run sheet		
History & Physical			Accident Repor		
Emergency Roor 1:			Case #		
Lab Results					
Lab Samples (an emortem samples, including 1st blood, urine, stomach contents, etc.)		***Please include employment start date, any emergency contact information/next of kin and			
Dental X-rays & cha	arts	description of Mr. Howard's o	luties with the		
X-rays & Radiology	Reports	company.			
Diagnostic Tests:		7			
U/S	СТ	Thank you in advance for y	our assistance!		
Other:			~l .		
Requested By: P	ATRICIA S	MITH BA, Forensic Investigator	( Anni M		



## TEXAS EMPLOYER NEW HIRE REPORTING PROGRAM New Hire Reporting Form



Please write all entries in CAPS • All litems MUST be completed unless noted with an *
 PRINT legibly in ink, or type all entries • Further instructions are on reverse side

	Timer logicity in link, of type air er	nunes	- I dittier instructions are on reverse side
EMPLOYER INF	ORMATION		
Federal Employer ID     Number (FEIN)	(b) (6)		2. State Employer (b) (6) Number *
3. Employer's Name	ICIEISI IEINIVIIIRIOINIM	EIN	ITIAILI ISIEIRIVII ICIEISI I/ INICI I I I
4. Employer's Address	141910141 161R11 161G1S1	R 10	1AP11111111111111
5. Employer's City	1H101U1SIT101N1 1 1 1 1	1 1	6. State 7. ZIP Code 7   1   1   7   X   7   7   0   2   1   -   3   2   0   8
8. Employer's Payroll		1 1	
Address (if different from above) *	111111	1 1	
Employer's Payroll     City		1 1	10. State 11. ZIP Code
12. Employer's Telephon	e (1711 131)16171611/14161	01	13. Employer's FAX (  7   1   3  )   6   7   6   -   1   6   7   6
14. New Hire Contact Per	0.0		IRI ITIHIA NIGIUIDIUI I
EMPLOYEE INF	ORMATION 0) (6)		
15. Social Security Number (SSN)	5) (0)		16. First Day of Work Month Pay Year (4 digits) (Mo/Day/Yr) *
17. Employee First Name	DRUCIELLIL		
18. Employee Middle Name	1 1 1 1 1 1 1 1 1		
19. Employee Last Name	HOWAR MILL	1	
20. Employee	5) (6)		
Home Address	1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1
21. Employee City	H10015H101N111	ı	22. State   23. ZIP Code   1   1   1   1   1   1   1   1   1
24. Employee Foreign Address	1 1 1 1 1 1 1 1 1 1	1	
	25. City	ı	26. Country 27. Postal Code
28. State Where Employer	e was hired*   T   X		29. Employee DOB (Mo/Day/Yr) (b) (6)  Vaar (4 digits)
30. Employee's Salary D (\$ and cents)	ollars (b) (6)		31. Salary DHourly DBiweekly DMonthly (Check One) DWeekly DSemi-Monthly DYearly

*Optional

Submit within 20 calendar days of new employee's first day of work to ENHR Operations Center, P.O. Box 149224, Austin, Texas 78714-9224

FAX: 1-800-732-5015, Phone: 1-800-850-6442 Online: http://employer.oag.state.tx.us

December 2005 ENHR RPT FORM

#### RECORD OF UPSET OR EMISSION EVENT §101.201

#### **Identification Information**

Owner/Operator Name:	CES Environmental Services, Inc.
Customer (CN) No.	600618946
Regulated Entity Name:	CES Environmental Services, Inc.
Regulated Entity (RN) No.	100693282
TCEQ Air Account No.	HG1270B

#### **Event Information**

Tankwash
Tanker Truck
Tankwash Bay 5 Roof Damage
Tankwash, Bay 5
Under investigation
Afternoon of July 7, 2009
10 minutes
Tankwash Bay 5 Barricaded by OSHA

#### Reporting

Reporting	None, the amount emitted was below the RQ specified in 101.1.				
Requirement					
Initial	Time/Date	N/A	,	Submitted by	N/A
Report ¹	Agencies No	otified	N/A		
Final	Time/Date	N/A		Submitted by	N/A
Report ²	Agencies No	otified	N/A		

If emissions are greater than the reportable quantity (RQ), an initial report must be submitted to the TCEQ Regional office
and any local air pollution control agencies with jurisdiction within 24 hours of discovery of the event. A copy of the initial
report should be attached to this document.

²⁾ If information in the initial report differs from the information in this document, an updated final report must be submitted within two weeks of the end of the event. A copy of the final report can be maintained in place of this document.

#### **Emission Information**

Chemical	Reportable Quantity	Estimated Emissions	Authorized Emissions	Authorization (Permit No, PBR, etc)
Methanol, Ethanol, and hydrocarbon oil	Methanol - 5,000 lbs; Ethanol – 5,000 lbs; Hydrocarbon Oil – 100 lbs	36.87 lbs	N/A	
Method of Quantification ³	Details provide	ed in the comme	nts section	

#### **Comments**

The quantity of vapor released during the incident is estimated below based on the following information:

Empty trailer volume (V) = 5,000 gallons (668.45 ft³)

Empty trailer was exposed to ambient daily heating in parking area (assume worst case interior temperature (T) of 120 F = 580 R)

The closed trailer last held wastewater containing a mixture of Methanol, Ethanol and hydrocarbon oil.

The most volatile constituents are Methanol and Ethanol:

Methanol = 7.450 psia true vapor pressure (VP) at 120 F; (Molecular Weight (WM) = 32.04 lb/lb mole)

Ethanol = 3.952 psia true vapor pressure (VP) at 120 F; (Molecular Weight (MW) = 46.07 lb/lb mole)

Ideal Gas Law equation is used to conservatively estimate the vapor mass in the empty trailer at 120 F:

 $E = (MW \times VP \times V) / (R \times T)$ 

Where;

E = emissions in lbs

MW = molecular weight of vapor (lb/lb mole)

VP = vapor pressure of vapor at temperature (T) (psia)

T = vapor temperature (580 R)

R = Gas Constant (10.73 psia ft^3/lb mole R)

 $E = (46.07 \times 7.450 \times 668.45) / (10.73 \times 580) = 36.87 lbs$ 

[Note: this estimate is conservatively high because it uses the higher molecular weight (ethanol) and the higher vapor pressure (methanol) to calculate the total vapor mass assuming the liquid last held was 100% alcohol. In reality, the liquid last transported was mostly water with a lesser fraction of alcohol. Therefore the actual alcohol emissions should be less]

The Reportable Quantity for Ethanol is 5,000 lbs [30 TAC 101.1(88)(A)(i)(III)(v)] The Reportable Quantity for Methanol is 5,000 lbs [40 CFR 302, Table 302.4] For hydrocarbon oil, the Reportable Quantity of 100 lbs is assumed [30 TAC 101.1(88)(A)(ii)]

# EPAHO043001239

#### **OSHA's Form 301 Injuries and Illnesses Incident Report**

Information about the employee

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Information about the case

7/7/2009

10) Case number from the Log

11) Date of injury or illness



Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

2 (Transfer the case number from the Log after you record the case.)

This Injury and Illness Incident Report is one of the first forms you must fill out when a recordable workrelated injury or illness has occurred. Together with

he accompanying Summary, these forms help the	City Houston State TX Zip 77021	12)	Time employee began work 7:00 AM AM/PM		
employer and OSHA develop a picture of the extent and severity of work-related incidents.	3) Date of birth	13)	Time of event 4:00 PM AM/PM Check if time cannot be determined		
Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the information asked for on this form.  According to Public Law 91-596 and 29 CFR 1904, OSHA's recordkeeping rule, you must keep his form on file for 5 years following the year to which it pertains	4) Date hired  4/20/2009  5) X Male Female  Information about the physician or other health care professional  6) Name of physician or other health care professional Harris County Medical Examiner - Joseph A, Jachimczyk	14)	the tools, equipment or material the employee was using. Be specific. Examples: "climbing a ladde while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."  Preparing to start a Tank Wash		
If you need additional copies of this form, you may photocopy and use as many as you need.	7) If treatment was given away from the worksite, where was it given?  Facility Hermian Memorial Hospital  Street  City Houston State TX Zip	16)	What was the injury or illness? Tell us the part of the body that was affected and how it was affected; be more specific than "hurt", "pain", or "sore." Examples: "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."  Death		
Completed by <u>Jose A. Acosta</u> Fitle <u>HSE Manager</u> Phone 713-676-1460 Date 7/10/2009	8) Was employee treated in an emergency room?  X Yes  No  9) Was employee hospitalized overnight as an in-patient?  Yes	17)	What object or substance directly harmed the employee? Examples: "concrete floor"; "chlorine"; "radial arm saw." If this question does not apply to the incident, leave it blank.  Energy Release from a tanker truck. Still under investigation		
	□No	18)	If the employee died, when did death occur? Date of death 7/7/2009		

Public reporting burden for this collection of information is estimated to average 22 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Persons are not required to respond to the collection of information unless it displays a current valid OMB control number. If you have any comments about this estimate or any other aspects of this data collection, including suggestions for reducing this burden, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

# EPAHO043001240

#### OSHA's Form 300 Log of Work-Related Injuries and Illnesses

301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

City

Houston

Year	2009	
J.S. De	partmen	t of Labor

U.S. Department of Labor
Occupational Safety and Health Administration

State Texas

Form approved OMB no. 1218-0176

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid.

You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form

Establishment name CES Environmental Services, Inc.

Identify the person Describe the case Enter the number of days (A) (D) Using these categories, check ONLY the most Check the "injury" column or choose the injured or ill worker Case Employee's Name Job Title (e.g., Date of Where the event occurred (e.g. Describe injury or illness, parts of body affected, and serious result for each case: one type of illness: was: Loading dock north end) object/substance that directly injured or made person ill No. Welder) injury or (e.g. Second degree burns on right forearm from onset of Away from On job illness acetylene torch) Days away transfer or work (mo./day) from work restriction (days) Job transfer Other record-(days) able cases or restriction ₹ (G) (1) (2) (5) (H) Field Services 6/26/09 Paces NV1 Tank Heat Stress Technician 7/7/09 Tank Wash Bay 5 energy release (under investigation at this time) Page totals 1 0 0 0 0 0 Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information uncless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to

Respirator Conditio

Page 1 of 1

1) (.

(3) (4)



Claim & Information Services P.O. Box 12029

Austin, TX 78711-2029

1-800-859-5995 (512) 224-3800

Fax (512) 224-3889

July 9, 2009

C E S ENVIRONMENTAL SERVICES 4904 GRIGGS RD HOUSTON, TX 77021-3208

Re:

Claim #:

99K0000575653

Employee:

Soc. Sec.:

07/07/2009

Employer:

C E S ENVIRONMENTAL SERVICES

Date of Injury:

DWC#:

In accordance with the Division of Workers' Compensation Rules, we are requesting that you submit the information indicated below. The DWC3 and DWC6 forms are available for printing from our website, www.texasmutual.com, under services, or from the division's website, www.tdi.state.tx.us. For your convenience, a DWC3 is now available for you to complete and submit on-line. It is located on our website, www.texasmutual.com under the Employers - Loss Run & Claims Detail Section. If you need assistance with filing the DWC3 on-line please contact me. If you do not have access to the Internet, we will be happy to send you a blank form.

 $\boxtimes$ DWC3 EMPLOYER'S WAGE STATEMENT (Rule 128.2) - Please fax or email attachment or use the on-line version (www.texasmutual.com).

OR 

DWC3SD EMPLOYER'S WAGE STATEMENT FOR SCHOOL DISTRICTS (Rule 128.7)

X DWC6 EMPLOYER'S SUPPLEMENTAL REPORT OF INJURY OR ILLNESS (Rule 120.3) - Please fax or email attachment. The following time frames apply.

#### Within 10 days after:

- The end of each pay period in which the employee's earnings have changed as a result of the injury, OR
- The employee resigns or is terminated.

#### Within 3 days after:

- The employee begins to lose time from work as a result of the injury, OR
- The employee returns to work, OR
- The employee, after returning to work experiences an additional days(s) of disability as a result of the injury.

Failure to provide the required information is an administrative violation and may result in the assessment of a penalty from the Division of Workers' Compensation.

AND

EMPLOYEE ACKNOWLEDGEMENT OF WORKERS' COMPENSATION NETWORK FORM (This form(s) shall be completed, signed and submitted). Please fax or send attachment via email as soon as possible.

COPY OF THE POST-ACCIDENT DRUG SCREEN RESULTS

Thank you for your prompt attention to this matter. If you have any questions, please call me at 1-800-859-5995 ext. 7903.

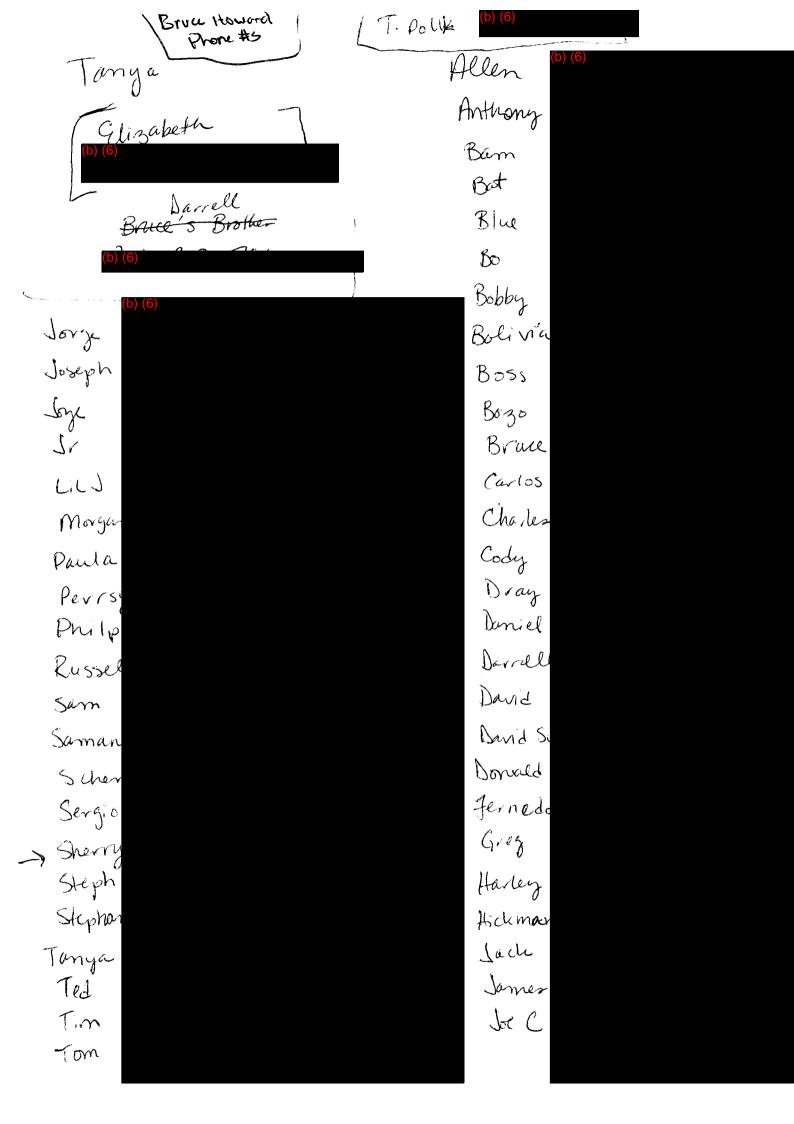
Sincerely,

Diane Thiele

CAT WORKERS' COMP SPEC II

#### **CES Environmental Services, Inc.**

## INCIDENT REPORT Accident X **Near Miss** DATE OF INCIDENT: 7-7-09 TIME: 4:00 RESULT OF INCIDENT: For Accidents check all that apply, for Near Misses ONLY 6 & 7 may be checked. 2) EXPLOSION 3) EQUIPMENT DAMAGE 4) PROPERTY DAMAGE 6) PRODUCTION LOSS 7) EMPLOYEE ENDANGERMENT 5) PRODUCT LOSS 8) OTHER Name: Name: Name: EXACT LOCATION WHERE INCIDENT OCCURRED: 4904 Carries Q. DESCRIBE FULLY HOW INCIDENT OCCURRED: WHAT UNSAFE ACTS/CONDITIONS LEAD TO INCIDENT?: RECOMMENDATIONS TO PREVENT REOCCURRENCE: 1/A COMMENTS: It is on known at this time how or what retred from the WITNESSES (Print): Name: Jorge Name: Name: Safety Representative Notified (Name):



CES E	nvironmental Servic	es, Inc.
Near Miss	INCIDENT REPORT	Accident
DATE OF INCIDENT: 7-7-09	IME: 4:00 a.m.	
RESULT OF INCIDENT: For Accidents	check all that apply, for Near Mj	isses ONLY 6 & 7 may be checked
		4) PROPERTY DAMAGE
5) PRODUCT LOSS 6) PR		
8) OTHER		
PERSON(S) DIRECTLY INVOLVED: Name:	Name:	
Name:	Name:	
EXACT LOCATION WHERE INCIDENT	OCCURRED:	
DESCRIBE FULLY HOW INCIDENT OCC	URRED:	
WHAT UNSAFE ACTS/CONDITIONS LEA	AD TO INCIDENT?:	
RECOMMENDATIONS TO PREVENT RE	EOCCURRENCE:	
COMMENTS:		
COMMENTS.		
WITNESSES (Print):	Nama	
Name: Name:	Name:/ Name:/	
Prepared by (Print):		
Approved by (Print):		
Safety Representative Notified (Name):		

Rev 8.01

#### U.S. Department of Labor

Occupational Safety & Health Administration

Houston South Area Office 17625 El Camino Real Suite 400 Houston, Texas 77058 281/286-0583 Fax:281/286-6352



July 4, 2009

Matt Bowman Houston CES Environmental Services 4904 Griggs Road Houston, TX 77021

Mr. Bowman:

The Occupational Safety and Health Administration has opened an investigation concerning the incident at your Houston facility that occurred on or about July 7, 2009.

We are requesting that Houston CES Environmental Services (or anyone else on its behalf) not remove, intentionally alter, destroy, rearrange, or otherwise tamper with the equipment that was involved in the incident until the onsite investigator has had the opportunity to take photographs, make sketches, take measurements and/or completely document all physical characteristics of the equipment.

Please be aware that any attempt to intentionally alter, destroy, rearrange, or otherwise tamper with evidence that has potential relevance to OSHA's investigation may be a violation of 18 U.S.C. § 1519.

Thank you for your cooperation in this matter. Ms. Figueroa will be signing this letter under my authority and a follow up letter with my signature will follow on July 8, 2009.

Joann Figueroa

Assistant Area Director Houston South Area Office



Safety and Health
Add Value

OSHA's Mission: To assure safe and healthful working conditions for working men and women.

#### U.S. Department of Labor

Occupational Safety & Health Administration Houston South Area Office

17625 El Camino Real Suite 400 Houston, Texas 77058 281/286-0583 Fax:281/286-6352



July 7, 2009

Matt Bowman Houston CES Environmental Services 4904 Griggs Road Houston, TX 77021

Mr. Bowman:

The Occupational Safety and Health Administration has opened an investigation concerning the incident at your Houston facility that occurred on or about July 7, 2009.

We are requesting that Houston CES Environmental Services (or anyone else on its behalf) not remove, intentionally alter, destroy, rearrange, or otherwise tamper with the equipment that was involved in the incident until the onsite investigator has had the opportunity to take photographs, make sketches, take measurements and/or completely document all physical characteristics of the equipment.

Please be aware that any attempt to intentionally alter, destroy, rearrange, or otherwise tamper with evidence that has potential relevance to OSHA's investigation may be a violation of 18 U.S.C. § 1519.

Thank you for your cooperation in this matter.

Mark R. Briggs Area Director

**Houston South Area Office** 



Safety and Health
Add Value

OSHA's Mission: To assure safe and healthful working conditions for working men and women.

Send the specified copies to your Workers' Compensation Insurance Carrier and the injured employee.
*Employers - Do not send this form to the Texas Workers' Compensation Commission, unless the Commission specifically requests a direct filing.

TWCC CLAIM #			7
	 		<b>~</b>
CARRIER'S CLAIM#	 	<del></del>	

16. Time of Injury 17. Date Lost Time

(5) (6)			□ F 🔀 M		7-7-6	99	4:00 pm		
,	,	Date	of Birth	1	18. Nature of		19. Part of Body In		ed*
(b) (6)					Death		·		}
6. Does the Employee Speak English? If No, Specify Language			20. How and Why Injury/Illness Occurred*						
Yes			5 5		A/N	, , .	•		1
7. Race	8. Ethnicity			23. Address Where Injury or Exposure Occurred					
Black				Name of business if incident occurred on a business site					
	DO BOY			CES Environmental Services 4904 Grigos Rd					
9. Mailing Address Street (b) (6)	or P.O. Box				Houston	`	State	7702/	
City	TX 7	Zip 7 <b>6</b> 2)	County		24. Cause of Hash	Injury(fall,	tool, machine, etc.	)*	
10. Marital Status: NO				]			10301		
11. Number of Dependent C	hildren	12. Spot	ise's Name		25. List Witne	sses: Llan	χλ		
13. Doctor's Name:				1	26. Return to	work	27. Did employee		28. Date
14. Doctor's Mailing Address	s (Street or P.O.Bo	x)		1	Date/or ex	xpected	die?	visor's name	Reported
!					NA	1	Yes	James	7-7-09
City	State	Zip		}	N/F	<del>)</del>	100	Pharms	
30. Date of Hire	31. Was employee	hired or r	ecruited in	132 Len	gth of Service	in	33. Length of Ser	vice in Occupa	tion
04/2009	Texas?	Ye		ļ	rent Position		(mm/yy)	1	
04/2007		7	_	2	months	(,,,,,	2 mon	146	
34. Employee Payroll Classi				35. Occ	upation of Inju				
36. Rate of Pay at this job	37. Full Work Wee		38. Last Paycheck		39. Is employ	ee an Ow	ner, Partner, or Co	rporate Officer	?
(b) (6) Weekly	Hours	Days	(Hours)	Days			☐ Yes ☐	No	
40. Name and Title of Perso	n Completing Form			41. Nan	ne of Business				
42. Business Mailing Addres	s and Telephone N	lumber Tel No:		43. Bus	iness Location	(If differe	nt from mailing add	tress)	
City	State	Zip		City		State		Zip	
44. Federal Tax Identification	Number		ary Standard Indus Code* (4 digit)	trial Clas	ssification	46. Spec (4 digit)	ific SIC Code*	47. Texas Co	omptroller Tax
48. Workers' Compensation	Insurance Compar		· · · · · · · · · · · · · · · · · · ·	49. Poli	cy Number	I <u>y</u>			
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Yes No If yes, did you receive them? Yes No  1. Signature and Title (READ INSTRUCTIONS ON INSTRUCTION SHEET BEFORE SIGNING)									
X				. 50. 01	(L 310141140)	Date			-

EMPLOYER'S FIRST REPORT OF INJURY OR ILLNESS

15. Date of Injury

Continued on next page

23 and 559 004 of the Texas Government Code.

You may be entitled to know what information UT Arlington (UTA) collects concerning you. You may review and have UTA correct this information according to procedures set forth in UT System BPM #32. The law is found in sections 552.021, 552.-

### Witness Statement

On July 7-,09 around 3:50 or 400 pm \$ I walk up to Bay 485 By the stair way to work on the 1270 trailer 1276, I was suppose to help Bruce to get some heel est when we walkedup to Bay 4\$5 he told me he was going on top to go put the light of the ladder & I told nin ot & In sonna · put the drums in the bottom, he said ok, he went upstair & I went on the side of the trailer to get the drums ready, & when I was in the bottome I looked to the top of fank and I saw on the rack cont walk, I saw him, getting the laddler, at that fine I try to: open the ext. value when I put my hand on the value I just neard a bang Ros like o Few, I can out the bay, I ran into the wall & then with the scable, I ran in front of Bay 5 then I walk to bay if were wondering what nad happen, I call out (6)(6) name and I got no amoser, I try again and no anwser,

I was sonna so on bay 3 to check it some had happen over there and to check on (b) (6) Took Few Steps and Something tom fold me to look back and when I look back I look toward 1276 on top and I saw *slight cloud of snoke, at the time I tought of (b) (6) (6) (b) because I had just seen la him on top, I ran upstain, Few steps upstair and then I saw a body laying ons the Floor, I could recognize him, the only way I did it was & because of his neckless, I approch him and call out his name, I said (b) (6) man what nappen juhat you do non come on but he didnt anwser, I saw (b) (6) coming I told nim call all he said + they die, he 9sk what happen I told him I don't know just call qui, te are is walk of to (b) (6) . We check his parte pulse he had one, but he wasn't breathing we save CPR but he still would be the get no air es because & his belly or chest didn't move, Jee people came.

and help out, (b) (6)

supply air to put on him

we did & put him on the side

the was trowing out Fluids,

then the rescue personel came

and I just walk out the

Bay.

EPAHO043001250

## **Standard Operating Procedure**

<u>THINK</u> <u>USE GOOD</u> <u>JUDGMENT</u>	CES Environmental Services, Inc.	<u>YOUR</u> <u>ATTITUDE</u> <u>COUNTS</u>
Date Issued: <u>04/07/2008</u>	DEPARTMENT(S):  -Operations -Processing -Maintenance and Field Services	Revised Date: <u>11/25/2008</u>
SOP Number: <u>08-029</u>	SOP Title:  Odor Management-Sampling Odorous Materials	SOP Description: Describes the procedures for Pulling Samples of Odorous Materials on the CES Environmental Services, Inc. Yard

The following procedure should be followed when sampling a load coming in or leaving CES environmental Services yard. The Main Processing Facility Personnel are responsible for alerting whoever will be pulling the samples that the load is odorous so that these procedures will be followed.

- 1) Trailer should be parked in the wastewater unloading bay.
- 2) Scrubber unit should be checked and turned on and all valves (except the valve you need opened) should be closed
- 3) Vent line should be hooked up to scrubber unit and the vent valve moved to the open position.
- 4) Have sample jar and sampling device ready and open dome lid on trailer. Only open dome lid as much as you need to get the sample of the incoming or outgoing load. Sample should be pulled quickly. If odor is to bad stop the sampling and notify a supervisor
- 5) When pulling a sample on a product trailer that is going out for sale two samples need to be pulled. By pulling two samples this will prevent us from having to open the dome lid again and any potential for a release.

Name	Date
	Odor Management – Sampling Odorous Materials Training Document Quiz
1.	Who is responsible for informing the person who will pull a sample that the load is odorous?
2.	When should the Odor Management Procedures be followed?
	a. b. c.
3.	For odorous loads, where must the trailer be parked before a sample may be pulled?
4.	What should be checked and turned on prior to pulling a sample?
5.	All valves (except the valve you will be using) must be
	at all times.
6.	The vent line should be hooked up to the and the valve moved to the open position.
7.	The dome lid should be open as (much, little) as possible; therefore all equipment should be ready and the sample should be pulled as as possible.
8.	What should be done if the odor is too bad?
9.	If this is a sample product going out for resale, why should you pull two samples?
After t	his quiz has been checked and reviewed, you may consider yourself trained. I,
	, am now responsible for this information.

Nombre	Fecha
Maneja: olorosos.	miento de olores –documento de entrnamiento para muestras de materiales
1.	quien es responsible que va a tomar lamuestra del cargo oloroso?
2.	Cuando deberian los procedimentos de manejamiento de olor se seguidos ?
A.	
В	
C	
3.	Para cargos olorosos, donde deberia ser el remolque estacionado para tomar una muestra?
4.	Que deveria ser revisado y prendido ante de tomar una muestra ?
5.	Todas las valvulas ( exepto la valvula que se estara usando) debe estar siempre.
6.	La linea de ventilazion debe serconectada a la y la valvula movida ala posision habierta.
7.	La tapa del remolque debe ser habierta lo ( mucho , menos) possible; por lo tanto todo el equipo debe estar listo y la muestra debe ser sacada lo mas possible.
8.	Que debe hacer si el olor es muy fuerte?
9.	Si esta es un amuestra de producto que sera vendida, poque se tiene que sacar dos muestras ?
Despu	es de terminar el examen y que sea revizado, te consideras entrenado. Yo,

## **Standard Operating Procedure**

<u>THINK</u> USE GOOD JUDGMENT	CES Environmental Services, Inc.	<u>YOUR</u> <u>ATTITUDE</u> <u>COUNTS</u>	
Date Issued: <u>12/18/2007</u>	DEPARTMENT(S):  -Operations -Processing -Maintenance and Field Services -Sales, Finance, and Administration	Revised Date: <u>11/25/2008</u>	
SOP Number: <u>07-038</u>	Loads-Sample Management		

This standard operating procedure must be followed when either receiving loads at CES (e.g. loads of waste, product, and material to be received and treated/managed by CES as well as loads of waste, product, and material to be trans-shipped to another facility) and when shipping loads originating at CES to an outside facility (e.g. loads of waste, product, and material to be shipped to another facility).

The SOP focuses on the work to be performed by the Main Processing Facility Laboratory as the functions performed by this group act as the nucleus for operations, dictating a significant portion of processing operations. Accordingly, the procedures detailed hereinafter pertain mainly to the "beginning" and the "end" operating procedures for the Main Processing Facility and the Hydrocarbon Processing Facility but do not cover the operations in the "middle". That is, the SOP details the handling of all sampling, load inventory paperwork, lab sample management, and establishing work management systems for receiving and shipping. However, the SOP does not address the "middle" activities such as tank inventory tracking, truck loading and unloading, treatment and processing procedures, in-plant operations, discharge procedures, tank storage tracking mechanisms, inventory management, etc.

<u>Shipping and Receiving Loads</u> involves many steps that include many departments within CES. The <u>Shipping and Receiving Loads</u> SOP is divided into five separate SOPs, completed in order of their sequence of action. Therefore, this standard operating procedure must be followed in the steps listed below:

- 1.) Essential Operating Paperwork
- 2.) Receiving Loads
- 3) Shipping Loads
- 4) Sample Management

This SOP covers the Sample Management portion of the procedure.

#### INBOUND LOAD SAMPLES:

When a load arrives at CES, the **Driver** will present the <u>Manifest or BOL</u> to the **Main Processing** Facility Lab Personnel. The **Main Processing Facility** Lab Personnel will check the profile number and fill out a sample label that will be given to the **Main Processing Facility Personnel** who will be pulling the sample.

Once the sample is pulled, it will be tested immediately according to the process facility information.

After the sample has been tested, it will be moved to the shelf labeled "Incoming Samples – QC Completed" located inside the **Main Processing Facility Lab**. Every afternoon before 4:00 pm the **Processing Facility Personnel** will move these samples to the closets just outside the lab. (See Inbound Sample Storage below).

**Note:** For shipments where the inbound product and the outbound product are exactly the same (no processing), we will still pull two separate samples and complete separate inbound and outbound load reports since the customer and description will be different.

The Main Processing Facility Lab Personnel will record the results of all testing in the appropriate notebook:

Caustic notebook for caustic loads
Oil Material Testing notebook for oil facility loads (in and outbound)
Incoming Tank Trucks Water notebook for incoming wastewater loads
Special Products notebook for other products

For all bulk product and/or material loads (including caustic loads), a <u>CES Inbound Load Report</u> must be completed in **Job Write Up Screen** in the **CES Access Database**. **Laboratory Technicians** shall use the information contained in the **Process Facility Information** of the <u>CES Material Profile</u> (in the **CES Access Database**) to determine the appropriate tests and analysis to perform and report. After the <u>CES Inbound Load Report</u> is completed, the **Laboratory Technician** must enter "see Inbound Report" in the **Billing Comments** of the job write-up for that specific CES Job Number in the **CES Access Database**.

#### INBOUND SAMPLE STORAGE:

There are four closets outside the lab to be used for inbound sample storage and they are labeled "Inbound Sample Retains Week One" all the way through "Week Four". Samples pulled from loads arriving in the same week will be stored in the same closet on shelves labeled "Week ____ Inbound Samples". Inbound samples are retained for four weeks and therefore will remain in that closet for four weeks. Every Monday begins a new week and samples from new inbound loads will be stored together in the next closet in line. Caustic samples will be stored on the very bottom shelves.

Every Saturday, the Main Processing Facility Lab Personnel will empty and discard samples that are held in the closet that will be used the following week. The samples will be dumped into the appropriately labeled sample discard drums located just outside the MPF lab. *Note that there are several drums and care should be taken to discard material into the correct drum*. When a drum gets full it will be disposed of correctly by MPF personnel.

#### INBOUND LOADS THAT REQUIRE MORE ANALYSIS OR PROCESSING:

For any inbound loads that require more analysis or processing, the sample will be placed on the shelf labeled "Products on the Yard - More Analysis or Processing Required". The sample will remain here until the analysis has been completed or the load has processed. After the required event has occurred, the sample will be placed on the appropriate shelf (see Inbound Sample Storage above).

#### **OUTSIDE TESTING OF INBOUND LOADS:**

When outside testing is required for inbound loads, the sample must be logged and SOP #33 for Sample Receipt, Evaluation and Shipping should be followed.

#### **OUTBOUND LOAD SAMPLES:**

Anytime a trailer is loaded with product or waste to ship from CES, an outbound sample will be pulled. It is the responsibility of the **Main Processing Facility Personnel** who completes the loading of the trailer to be sure the sample is pulled. The **Main Processing Facility Personnel** will take the sample to the Main Processing Facility Lab, label the sample, and give it to the **Main Processing Facility Lab Technician** for testing.

**Note:** If an inbound product trailer does not need any processing and the same trailer will ship the exact same product outbound, the inbound sample and outbound sample may be pulled at the same time but the procedures for both must be followed.

The Main Processing Facility Lab Technicians will use process facility information by product/profile number to perform tests on outbound samples. Main Processing Facility Lab Technicians will record the results of all testing in the appropriate notebook:

Caustic notebook for caustic loads
Oil Material Testing notebook for oil facility loads (in and outbound)
Special Products notebook for other products

For profiles that have "refer to shared drive" for specific customer information, **Main Processing Facility Lab Technicians** should go to the folder "Analytical Testing and Special Handling (by Profile Number)" on the shared drive in the Main Processing Facility and Lab folder. Under each profile number, the specific requirements for each customer should be listed.

All outbound samples will be placed on the shelf labeled "Products on the Line" until the load has shipped. Once the loads ships, the samples will be moved to the storage closet labeled "Outbound Samples" where the sample will be retained for 90 days.

No product should ship from CES without an <u>Outbound Load Report</u>. Once a trailer is loaded and the sample is pulled, the <u>Main Processing Facility Lab Technicians</u> will create a new <u>Outbound Load Report</u> in the <u>CES Access Program</u>.

When the load is scheduled to go out and a BOL is created, the Main Processing Facility Lab Technicians will enter the BOL number on the <u>Outbound Load Report</u> in the CES Access Program. The Main Processing Facility Lab Technicians will also enter the correct <u>Outbound Load Report</u> number in the Job Write Up Screen in the CES Access Program for the correct BOL.

The **Main Processing Facility Lab Technicians** will print a copy of the <u>Outbound Load report</u> and place it in the tray labeled "Completed Outbound Load Reports".

The Main Processing Facility Lab Technicians will check the Driver's Packets brought down by the Logistics Supervisors each evening to determine which loads will be shipped the following day. Thus, any additional testing required for specific customers may be performed in a timely manner. It is important to avoid situations where drivers are waiting for sample evaluation.

The outbound sample will be stored the closet labeled "Outbound Samples" and will be retained for a period of 90 days. Once a month the Outbound Samples closet will be inspected and all samples over 90 days will be discarded.

Samples to be discarded will be dumped into the appropriately labeled discard drum located just outside the MPF lab.

#### OPERATIONAL TREATABILITY SAMPLES from CES PLANT TANKS or TRAILERS:

Samples that are pulled from a CES plant tank or trailer for treatability purposes (not to be sent to a customer or for a sample retain) will be placed on the shelf labeled "Plant Tank & Trailer Treatability or Analysis Samples". Once treatability has been determined, the sample will be discarded in the appropriately labeled discard drum located just outside the MPF lab.

## **Standard Operating Procedure**

<u>THINK</u> <u>USE GOOD</u> <u>JUDGMENT</u>	CES Environmental Services, Inc.	YOUR ATTITUDE COUNTS
Date Issued: <u>11/26/2007</u>	DEPARTMENT(S):  -Operations -Processing -Maintenance and Field Services -Sales, Finance, and Administration	Revised Date: <u>11/25/2008</u>
SOP Number: <u>07-021</u>	SOP Title: Sample Receipt, Evaluation, and Shipping (Research and Development Laboratory)	SOP Description: This SOP explains the proper procedure for receiving Samples from Customers, having those Samples Evaluated, and Shipping Samples to Customers.

This SOP covers the procedure for receiving sales evaluation samples from customers, having samples evaluated, and having samples shipped. It does not cover actual testing procedures. It also does not include testing of inbound or outbound loads which are performed by the Main Processing Facility Lab for operational purposes.

#### **Sample Log-in Procedures:**

All sales evaluation samples or samples to be tested by outside laboratories will be logged in on the <u>CES Sample Log Sheet</u> located on the shared drive in the **Sample Evaluation and Management** folder. The first four digits of the sample ID number indicate month and year. Use the following information to help fill out the <u>CES Sample Log Sheet</u>:

Sample ID number – take the next sequential number (after dash)

Date – date you log sample in

Job Number – "NA" should be entered if CES will be paying for the analysis **or** if no outside analysis is required. Otherwise, Customer Service/Inside Sales will put the job number for outside analysis once the Chain of Custody is turned into Customer Service.

Folder ID – This helps billing and customer service. Please put the folder ID of the folder in which a copy of the lab results and/or a copy of the Chain of Custody (if applicable) should be filed. If this is an internal cost such that there is no folder, put "CES Internal".

Generator/Process/Notes – Please put as much detail as possible. This field wraps.

Analysis Requested – Put analysis requested by an **outside lab**. If CES will be performing analysis, put NA. If no analysis is required at all, put "none."

Lab – Put the lab performing the analysis (if internal, put CES). Leave blank if no analysis is required.

Sales Rep – Choose correct contact person from the drop down list.

Discard Date – This is important as this will determine the sample storage location. Put the month after which the sample may be discarded. Samples are stored in cabinets based on discard month.

Once the sample has been logged on the <u>CES Sample Log Sheet</u>, the sample will be taken to the **Research and Development Lab** (upstairs in the **Main Processing Facility**). A **CES Sample ID Sticker** will be completed and placed on sample (stickers are located on rolls next to sample shelves in **Research and Development Lab**). The information required for the sticker includes the sample ID number, the date of sample disposal, and the name of the **Sales Representative** logging in the sample.

Samples that have been logged and require evaluation will be placed on the shelf labeled "Sales Samples for Evaluation" located inside the Research and Development Lab (upstairs in the Main Processing Facility). Any samples that do not need any analysis initially will be placed on the second shelf labeled "Sales Samples for Storage" in the Research and Development Lab.

This process will be followed for samples brought into CES and for samples shipped to CES. For samples shipped to CES, the **Research and Development Laboratory Personnel** should contact the appropriate **Sales Representative** or **Customer service/Inside Sales Representative** who will log the sample into the <u>CES Sample Log Sheet</u>. **Absolutely no samples will be left in the sales office.** 

#### **Sample Evaluation Procedures:**

After the sample has been logged into the <u>CES Sample Log Sheet</u> (see above), a <u>Sample Evaluation Form</u> will be completed if any evaluation needs to be done by the **CES Research and Development Lab**. There are two methods for getting the completed Sample Evaluation Form to the **Research and Development Lab**.

#### 1. Electronically:

Blank <u>Sample Evaluation Forms</u> are located on the shared drive in the **CES** Forms and Logos folder. The file with data fields is called **CES Sample** Evaluation Form with Data Fields. Once this form is completed, it must be saved locally (not on the shared drive) and emailed to the Research and Development Lab Manager.

#### 2. Manually:

Blank copies of the <u>CES Sample Log Sheet</u> are located in a tray in the **CES Research and Development Lab** above the sample shelf just inside the door. Once the form is filled out it should be placed in the tray labeled **Sample** 

Evaluation Forms (in Progress) also located above the sample shelf just inside the door of the Research and Development Lab.

Note: The R&D Lab can provide better technical support to the Sales Representatives when the "Ultimate Objective for Performing Analysis" and "Detailed Description of the Process Generating the Waste, Material, or Product" areas of the Sample Evaluation Form are filled out in detail.

When a correctly labeled sample has been placed on the "Sales Samples for Evaluation" shelf in the Research and Development Laboratory, the Research and Development Lab Personnel will look for the <u>Sample Evaluation Form</u> in the Sample Evaluation Forms (in Progress) tray or via email.

The Research and Development Laboratory Personnel will then complete the evaluation and write a report to be sent to the requesting party via email. The report will also be posted to the shared drive in the folder "Sample Evaluations YYYY" located in "Sample Evaluation and Management" folder. The original hard copy of the Sample Evaluation Form will be destroyed.

Once the sample evaluation has been completed, the sample will be placed on the shelf labeled "Sales Samples for Storage" in the Research and Development Lab until the end of the day.

#### **Sample Storage Procedure:**

At the end of each day, the Research and Development Lab Personnel will take the samples on the "Sales Samples for Storage" shelf located in the Research and Development Lab downstairs to be stored in the closets outside the Main Processing Facility Lab. The closets are labeled "Customer Samples to be Discarded (3 Month Range)". Samples will be put into the appropriate closet based on the month they are to be discarded.

The samples will be kept on the top three shelves of the appropriate storage closet. The shelves should be labeled "Customer Samples to be discarded (3 Month Range)" to match the door label. After the disposal date has passed, the samples will be properly discarded by the Main Processing Facility Lab Personnel.

#### **Evaluation by Outside (non-CES) Laboratories:**

For any testing to be done by outside laboratories, the FIRST STEP is to log the sample on the <u>CES Sample Log Sheet</u> (see Sample Log In Procedures above). The sample ID number will then be used by many different departments at CES to track the sample/paperwork. The sample ID number must be placed on the Chain of Custody (of the outside laboratory) and will be used by **Customer Service/Inside Sales** and **Billing** to track paperwork associated with sample analysis.

When filling out the <u>Chain of Custody</u>, put the **CES Sample ID Number** (see above) in the PO field and put the Customer or Folder ID in the Generator Field.

After the sample is turned in to the outside lab, the customer copy of the <u>Chain of Custody</u> must be turned in to **Customer Service/Inside Sales** so a job may be created. Once the job has been created, it will be marked "complete" and the Chain of Custody will be filed in the correct job folder (according to the <u>CES Sample Log Sheet</u>). When the job is entered, the job number field should also be filled in on the CES Sample Log Sheet.

**NOTE:** A job does not need to be created if the customer will not be charged (i.e. any CES Internal jobs). However, the paperwork should still be filed in the correct job folder.

If the sample is received by the **Research and Development Lab** and it is determined that the sample requires additional testing from an outside laboratory, the appropriate **Sales Representative** will be contacted. The **Laboratory Research and Development Specialist** will arrange for the sample to get to the outside lab and follow the procedures listed above. The sample sent for outside testing will be logged onto the <u>CES Sample Log Sheet</u> with a separate Sample ID Number than the original.

#### Samples to be pulled outside of CES:

For any samples to be pulled outside of CES (usually by the Sales Assistant) the appropriate Sales Representative or Customer Service/Inside Sales Representative will first log the sample in on the CES Sample Log Sheet located on the shared drive. After obtaining the sample ID number, the Sales Representative or Customer Service/Inside Sales Representative will give this information to the Sales Assistant according to SOP #35 Scheduling of Sales Assistant.

Note: It is NOT the responsibility of the Sales Assistant to obtain the sample ID number and log the sample on the <u>CES Sample Log Sheet</u>. It is the responsibility of the Sales Representative or Customer Service/Inside Sales Representatives to fill out the Sample Evaluation Form and let the R&D lab know the sample will be coming in.

The Sales Assistant is responsible for putting a CES Sample ID Sticker on the sample after it has been obtained. If the sample will be brought back to CES, the Sales Assistant will place the sample on the shelf labeled "Samples to be Evaluated" in the Research and Development Lab located upstairs in the Main Processing Facility.

Note: The Sales Representative is still responsible for filling out the <u>CES Sample Evaluation Form</u> (with the help of Customer Service/Inside Sales if necessary).

If the sample is to be taken directly to an outside lab, the **Sales Assistant** is responsible for following the procedures listed under **Evaluation by Outside** (non-CES) Laboratories (see above).

#### **Sample Shipping Procedures:**

Product Sales Samples to be shipped or delivered outside CES must have a CES Sales Label attached and must be logged into the <u>OUTGOING PRODUCT</u> <u>SALES Sample Log</u> spreadsheet located in the "**Sample Evaluation and Management**" folder on the shared drive. The "Lot Number" is usually the date. If this is a sample that has had analysis run on it, the CES Sample ID Number should be referenced.

The <u>Sales Sample Labels</u> are located on rolls in the office of **The Director of Sales and Marketing** and on the desk of the **Customer Service/Inside Sales Rep** who handles product sales. The label template is also located on the shared drive in the Forms and Logos folder under the filename "CES Sales Labels for Avery 8253".

The **Sales Representative** is responsible for looking at the samples prior to shipment/delivery to verify that the sample should indeed be sent to a customer.

Sales Samples are typically mailed via FedEx or UPS, delivered via the CES Sales Assistant, or picked up by customers. For Sales Samples delivered via the Sales Assistant, the SOP on Scheduling Sales Assistant should be followed. Sales Samples to be picked up by customers should be left with the Administrative Assistant – General working in the reception area.

#### Obtaining Product Samples from containers on the CES Yard.

To obtain a sales sample from a trailer, ISO container, or plant tank located at CES, an email should be sent to the **Processing Manager** requesting the sample. The email should include the product, tank number or location, and date sample is needed. If sample is needed immediately, the **Processing Manager** should be called.

After the **Main Processing Facility Personnel** obtains the sample, it will be taken to the Main Processing Facility Lab and placed on the "Products on the Yard" shelf. The **Main Processing Facility Personnel** will attach a completed Sample ID Sicker on the sample (stickers located on rolls next to sample shelves).

If the sample requires testing, follow "Sample Evaluation Procedures" above. If the sample will be shipped from CES, follow "Sample Shipping Procedures" above.

#### **Sample Cost Management:**

It is the responsibility of the **Director of Sales and Marketing** to monitor the costs associated with sample evaluation, especially when the analysis is performed by an outside laboratory and the charges are not passed along to the customer. These samples can be identified on the CES Sample Log Sheet by "CES Internal" entered into the Folder ID Field.

For frequent CES Internal analysis of a stream such that the analysis would usually cover several loads, the customer should be charged a per load analysis fee (the analysis cost spread over several loads) to help recover these costs.

#### Billing:

The **Billing Department** will use the <u>CES Sample Log Sheet</u> to determine if the cost of outside analysis will be charged to a customer and where to file the backup paperwork. **Billing** will make a copy of the Invoice from the outside lab and place it in the folder(s) entered in the "Folder ID" Field(s) of the CES Sample Log Sheet.

**Note:** If the customer is to be billed for a particular analysis, a job should have been entered into Access (see Evaluation by Outside Laboratories above) and billing information should be entered on the P&L sheet in the Job Folder.

#### Mailed/Shipped Samples: (STILL UNDER CONSTRUCTION)

The Customer Service/Inside Sales Representative in charge of Product Sales is responsible for mailing Sales Samples via FedEx or UPS. (Backup positions are the Director of Sales and Marketing and the CES Sales Assistant). Sales Representatives must give the Customer Service/Inside Sales Representative in charge of Product Sales the sample along with the following information or the Sample cannot be shipped:

- 1. Who will pay for shipment (if receiver will pay, the FedEx or UPS account number must be included).
- 2. SHIP TO: Name, Address, Contact Name, Telephone Number
- 3. Correct DOT Shipping Name (or EXACTLY what the material is)
- 4. Priority of Shipment (All dangerous goods must be shipped "Overnight" for next day delivery)

**Note:** No Sample will be shipped without a **CES Sales Sample Label** attached to the sample.

The Customer Service/Inside Sales Representative in charge of Product Sales will properly package the sample for shipping as per Dangerous Goods requirements (when necessary). A copy of all Airbills and Dangerous goods declarations will be kept...

# Bruce Howard Problems 7-19-09 PRE Remaind Problems 7-19-09 9:00-00 Kodak Picture CD

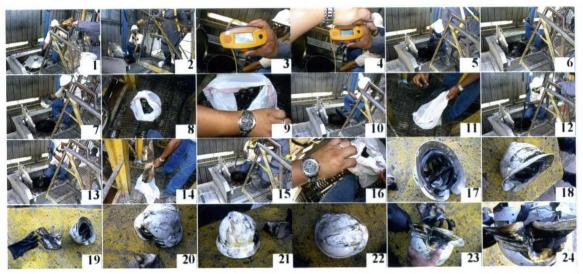
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	OB OI DMIDICOLICE	0024212021	
Name		and Stone of the	
† Name			
Doctor			
Emerge	ncy Medicit (i	and the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of the safe of th	ing for bridge

#### TAX INFORMATION

OTHE	K DE	DUCII	UNS
Cre	dit Ch	ristmos -	Additional

	Federal (	W-4) Exer	nptions	State/0	City Exen	ptions	Type	Credit Union	. Chrístmas : Club	Additional Ins.	Other Medical	Employee Fund
No.	1						Amt.					
Date							Date					1

#### HOURS WORKED PER PAY PERIOD

Daily:

#### **BENEFITS INFORMATION**

Insurance	Premium	Limplovee Contribution	Employer Contribution	Date Eligible	Date Enrolled	Date Withdrawn	Retirement	Employee Contribution	Employer Contribution	Date Lligible	Date Enrolled	Date Withdrawn
Medical - self							Co. Pension	i				
Medical - family	•						Union Pension					
Dental							401(K)					
Eyecare							Other					
Disability						,	<b>Options</b>	Employee Contribution	Employer Contribution	Date Eligible	Date Enrolled	Date Withdrawn
Life							Profit Sharing					
							Stock Plan					
							Union					
							Credit Union					
							Other					

#### **HMO INFORMATION**

Plan Name (*)

#### PRIOR HEALTH INSURANCE COVERAGE

☐ Certificate Requested	Comments:
☐ Certificate Presented	Such Certificates Should Be Kept in this File.

This file should be used in conjunction with the Medical Information File to maintain such information separately as required by the FMLA and ADA.



Date: May 13, 200	09			
Attn: Anthony Sa (b) (6)				
Re: Retrieval of C	Company Prop	erty		
Dear Mr. Savoy,				
	-	-		ntact you in order to retrieve the items include the following:
	x	Cell Phone (a	nd charger)	
		Gate Opener		
	x	Uniform	19 shirts and 13 pairs	of pants
		Other	Item	Number
without Legal Enfo	orcement. She	ould we not rec	over these items within	npt to collect these items in the next Five Business Days and Law Enforcement will be
If you have any que call at 713-676-14		cerns regarding	g this information, plea	se do not hesitate to give me a
Thank you,				
Anissa Wright Human Resources CES Environment		<del>-</del>	isor	

CES Environmental Services, Inc. 4904 Griggs Rd Houston TX 77021 Office: 713-676-1460 Fax: 713-676-1676

## **CES Company Policy**

<u>THINK</u> USE GOOD JUDGMENT	CES Environmental Services, Inc.	<u>YOUR</u> <u>ATTITUDE</u> <u>COUNTS</u>
Date Issued: <u>12/09/2008</u>	DEPARTMENT(S):  -Operations -Processing -Tank Wash -Maintenance and Field Services -Sales, Finance, and Administration	Revised Date: <u>00/00/0000</u>
Policy Number: <u>08-019</u>	Policy Title: Company Cell Phones	Policy Description: This Policy explains the usage of the CES Environmental Services, Inc. Company Cell Phones.

- 1. The Company Cell Phone you have been issued is for Company Business only and is property of **CES Environmental Services, Inc.** However, within reason, **Employees** can use the Company Cell Phone to make and receive personal calls. Any additional costs associated with personal use are the responsibility of the **Employee**.
  - Downloading Music, Pictures, and Video Games are not permitted. Any costs associated with unauthorized Downloads will be deducted from your pay check.
  - Unless expressly approved by **Upper or Mid Level Management**, Text Messaging will not be allowed. Any costs associated with unauthorized Text Messaging will be deducted from your pay check.
  - Unless expressly approved or amended by Upper or Mid Level Management, 500 Peak Minutes are allotted for General Employees, 1500 Minutes for Mid Level Managers, and unlimited for Sales Representatives, Customer Service and Inside Sales Representatives, Customer Service and Inside Sales-Product Sales, and Upper Level Managers. \$0.20 per Minute will be charged for Minutes over allotted amount. There are no unlimited Nights and Weekends only Mobile to Mobile.
- 2. The Company Cell Phone issued is your responsibility. If the Company Cell Phone is lost or stolen, **CES Environmental Services**, **Inc.** will charge back to you the Insurance Deductible associated with the replacement of your lost or stolen phone.

## PROPRIETARY and CONFIDENTIAL Property of CES Environmental Services, Inc.

- 3. If your Company Cell Phone/Equipment is lost, damaged or stolen due to work related activities, **CES Environmental Services**, **Inc.** will review each occurrence and determine if the cost to replace or repair the Company Cell Phone/Equipment will be charged back to the **Employee** responsible for the Company Cell Phone/Equipment or if **CES Environmental Services**, **Inc.** will absorb the cost of repair or replacement.
- 4. **CES Environmental Services, Inc.** will deduct any costs associated with the Company Cell Phones from the **Employee's** next pay check following **CES Environmental Services, Inc.** receiving and analyzing the Company Cell Phone Bill. No exceptions!
- 5. If you have any issues with your Company Cell Phone, please bring them to the **Human Resources and Support Services Supervisor's** attention.

Failure to adhere to the instructions outlined in this <u>Policy</u> may result in Disciplinary Actions (reference the <u>Policy</u> on <u>Disciplinary Policy</u>) up to and including Termination.

Employee Signature: Links Date: 2-13-39
Employee Printed Name: Arthory SAV

#### **Advanced Toxicology Network** 4900 Outland Center Drive Ste 103 **MEMPHIS, TN 38118** (888) 290-1150



BY:_____

**UDS Result Form** 

Result	Information

Center:

CMC - Houston I-10 East

Address:

10909 East Frwy

City:

Houston, TX 77029

Attn:

CMC/TX-HOUSTON I-10 EAST

Patient Name:

Patient SSN: Profile:

DRUG SCREEN: 10 PANEL

Reason:

Pre-Employment

Rejection:

Date Collected: 11/19/2008

Date Received: 11/19/2008

Time: 11:05 PM Date Reported: 11/20/2008

Time:

Time:

2:40 AM

4:25 PM

Creatinine:

Ph:

Specific Grav:

Specimen ID:

Result:

Status :

Sub Acct :

Location:

Screened Summary

Screened Summary								
<u>Drug</u>	Cutoff/GCMS	Cutoff/Screen						
Amphetamine	500	1000						
Barbiturates	200	300						
Benzodiazepines	200	300						
Benzoyleogonine	150	300						
Carboxy-THC	15	50						
Methadone	200	300						
Methaqualone	200	300						
Opiates	2000	2000						
Propoxyphene	200	300						
Phencyclidine	25	25						

**Comment Summary** 

316812938

**NEGATIVE** 

Reported

NDOT

Contact Name: Prabhakar Thangudu

Mail Address: 4904 Griggs Rd

**CES Environmental** 

**HOUSTON,TX 77021** 

Comment

**Result Summary** 

Janet Putnam, Lab Director

Date Printed: 11/20/2008 06:05:07 Page 1 of 1

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

PLHCP ¹ WR	RITTEN STATEMENT for RESPIRATO	DRS (EMPLOYEE)
Service Date: 11/19/2008		
Employee Name:	Employee SSI	N: (b) (6)
Savoy, Anthony		
Address:		
(b) (6)		
b) (6)		
Employer: CES Environmental		
You were evaluated in this office of you wear a respirator. (Check $\checkmark$ one the	the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o	physical capability
☐ There were no abnormal findings tha ☐ The abnormal findings listed below we personal physician for further evaluation.	vere not related to wearing a respirato	n your job duties while wearing a respirator.  Ir but should be reported to your
Based upon the results of this evaluation	ation it is my opinion that you: (Ch	neck <u>ALL</u> that apply)
ARE qualified to wear a respirator.		
☐ Have the following restrictions conce ☐ ARE NOT qualified to wear a respira		
Require further testing by your privat		n report of his/her findings to
Concentra Medical Centers		on on your ability to wear a respirator can be made
☐ Must wear Special prescription eye-v	<del></del>	
☐ Must use an Eye glass conversion ki		
May need to shave Facial hair to ass	sure tight seal on certain face masks.	
□ Need to stop smoking.		
(Check <u>ALL</u> that apply)		
<del></del>	ator fitness in accordance with 29 CFR 1910.134. This any difficulties in using respirators or change of any phases outlined in 29 CFR 1910.134	
The above individual HAS NOT been examined by	me for respirator fitness. The employee's medical eval	luation consisted of a review of OSHA's Medical Evaluation
to report any difficulties in using respirators or chang		on is specific to respirator use only. Employees should be instructed in. This evaluation included the Respiratory Questionnaire
outlined in 29 CFR 1910.134.  In accordance with specific OSHA requirements, I have been seen as the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract	ave informed the above named individual of the results	s of this evaluation and of any medical conditions resulting from
exposures that may require further explanation or tre attributable to the combined effect of smoking and a	• •	al has been informed of the increased risk of lung cancer
and warnings for proper use contained on the respirato		rill be exposed. Failure to follow the use and fitting instruction Il times of exposure can reduce the respirator's effectiveness ature and packaging for specific information regarding fit,
110	• _	X anthony Som
PLHCP Signature	John M. Sanchez, M.D.	Employee's Signature
PLHCP Name (printed)	H0784 TX	Expiration Date
¹ Physician or other Licensed Healthcare Professional		
To be	maintained in the employee's file with a cop	py to the employee

 $r_plhcp_stmt_resp_employee$ 

Page 1 of 1

Print Date:

11/19/2008

Revision Date: 04/06/2000

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

### EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING:	Address:	
Employee Name: Savoy, Anthony	(b) (6)	
	BEAUMONT	TX 77705
Employer: CES Environmental	Employee SSN: (b) (6)	
Check Type of Respirator(s) To Be Used (Check ✓ ALL that apply)	Extent of Useage (Check 🗸	ALL that apply)
Air-purifying (non-powered) Air-purifying (powered) Atmosphere supplying Respirator Combination air-line and SCBA Continous-Flow Respirator	Rarely - or for Emergency	otal Hours  re than twice a week Total Hours restructions only Total Hours restructions (Check ✓ ALL that apply)
Supplied-Air Respirator	☐ Light ☐ Moderate	
Open Circuit SCBA Closed Circuit SCBA  Dust Mask 1/2 Face with Canisters Full Face with Canisters	Exposure to Hazardous Mate	rials (Check VALL that apply)
Make: Model: Cartridge:	☐ Arsenic	☐ Benzene
Special Work Conditions (Check ALL That Apply When Wearing Respirator)  High Places Enclosed Places Protective Clothing Temperature Extremes Mostly Cold Mostly Hot	☐ Coke Oven ☐ Cadmium ☐ Methylene Chloride ☐ Textiles	☐ Cotton Seed / Dust☐ Formaldehyde☐ Lead☐ Chromium
Other:	Other(s):	
Questionare will be: HAND CARRIED MAILED OTHER	EVALUATION AUTHORIZATION	ON BY:
DO NOT WRITE BELOW THIS LINE DO NOT WRITE E	BELOW THIS LINE	Signature of Employer Representative DO NOT WRITE BELOW THIS LINE
PLHCP 1 WRITTEN STATEMENT for RESPIRED	RATORS (EMPLOYER)	
This report may contain confidential medical information and is intended for the designated employe (ADA) imposes very strict limitations on the use of information obtained during physical examination must be collected and maintained on seperate forms, in seperate files, and must be treated as a cone. Supervisors and managers may be informed about necessary restrictions on the work or duties of First aid and safety personnel may be informed, when appropriate, if the disability might require in Based upon my findings, I have determined that this individual (Check ALL that apply)  Experioryee must schedule a medical examination with Concentra Medical Centers.  Class II - No Restrictions on Respirator Use  Class III - Respirator Use is NOT PERMITTED  Further Testing / Evaluation is Required. Fit Test Performed Satisfactorily  Fit Test Performed Unsatisfactorily Fit Test NOT Performed at: Concentra Professional Facial hair needs to be shaved to assure tight seal on certain face masks.  Physician or other Licensed Healthcare Professional  Employee must seek further medical evaluation by a private physician who must submit a report of his/her findings to	of qualified individuals with disabilities.  Infidential medical record, with the follow of an employee and necessary accommended accommendation of the follow of an employee and necessary accommendation of the following and the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation of the following accommendation accommendation accommendation of the following accommendation acc	All information ing exceptions: nodations.  proval and usage.
(Check ✓ ALL that apply)		
The above individual <u>HAS</u> been examined for respirator fitness in accordance with 29 CFR 1910 use only. Employees should be instructed to report any difficulties in using respirators or change This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.  The above individual <u>HAS NOT</u> been examined by me for respirator fitness. The employee's me Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited to report any difficulties in using respirators or change of any physical status to their supervisor of puttined in 29 CFR 1910.134.	e of any physical status to their supervised edical evaluation consisted of a review of devaluation is specific to respirator use	or or physician. of OSHA's Medical Evaluation only. Employees would be instructed
In accordance with specific OSHA requirements, I have informed the above named individual of exposures that may require further explanation or treatment. Where applicable, the above name attributable to the combined effect of smoking and abbestos, lead and/or other chemical exposures.	d individual has been informed of the in re(s).	creased risk of lung cancer
Physician's Signature John M. Son H0784	nchez, M.D. sician's Name (	Printed) 11 Pa 9
Physician's License Number (Optional in Most States)	Date of Exam	Expires On
r_plhcp_stmt_resp_employer Page 1 of 1  To be maintained in the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employee's file with the employe	ith a copy to the employee	Print Date: 11/19/2008 Revision Date: 06/29/1999

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

#### RESPIRATORY FIT TEST ASSESSMENT RECORD

Serv	ice C	ate:	11/19/2008	Respira	ator Type:			
Emp	loye	e Name:	Savoy, Anthony	Respira	ator Model:			
Emp	loye	e SSN:	(b) (6)	Cartrido	ge Type:			
Emp	loye	r:	CES Environmental	Anticipa	ated Usage:	Minutes/day		
Depa	rtme	ent:				Hours/day Days/week		
Qual	itativ	/e Fit Test (C	RLFT) Protocol used:	Exercis	se (each exercise shall be co	onducted for or	ne minu	ıte
□lso	amyl	Acetate (Re	spirator must be equipped with an organic vapor filter)	except	for grimace which shall be	conducted for '	l5 seco	nds)
∃Sad	ccha	rin Solution (I	Must use DeVilbiss Model 40 Inhalation Medication	Breath	ina			
_		er or equival		Norr	-	Pas	s	Fail
			Benzoate) Aerosol	Dee		Pas		Fail
Quar	ititat		QNFT) Protocol used:	Hea	•	Pas		Fail
J		Test Chaml	per: Circle one of the following:		Left	Pas		Fail
Co	n Oi	1			Right	Pas		Fail
Pol	yeth	ylene glycol 4	100 (PEG 400)		e: Left	Pas		Fail
di-2	?-eth	yl hexyl seba	cate (DEHS)		e: Right	Pas		Fail
Soc	dium	Chloride			re Up	Pas	s	Fail
Coi	nden	sation Nuclei	Counter: ambient aerosol		e Down	Pas		Fail
Yes	No	Subject doni	ned respirator at least 5 minutes prior to assessment	Talking			_	
Yes	No	Subject cond	ducted user seal check	Nam		Pas	s	Fail
Yes	No	Apparel inter	fering with a satisfactory fit must be removed or altere	d. SSN		Pas		Fail
Yes	No	Subject give	n a description of the fit test and his/her responsibilities	Rea		Pas		Fail
		prior to asse	ssment.		onbow Passage observed by te		_	Fail
Yes	No	Subject work	e applicable safety equipment during fit test		Expressions	1 40		
Asse	essm	ent of Comf	ort (C: Comfortable, NC: Not Comfortable)		nace	Pas	e	Fail
С	NC	Position of the	ne mask on the nose	Smi		Pas		Fail
С	NC	Room for ey	e protection	Frov		Pas	_	Fail
С	NC	Room to talk	•			Газ	3	ı alı
С	NC	Position of n	nask on face and cheeks	•	Movement	Pas	_	Fail
Ade	guad	v of the fit (	A: Adequate, NA: Not Adequate)		d at waist		_	Fail
Α		Chin properl		•	in place	Pas	5	raii
Α			rap tension, not overly tight	Subjec	t rates comfort of respirator:	1 2 3 4	56	7 8 9 10
Α		Fit across no				Least		Most
Α			to span length from nose to chin	Yes N	o Subject made no attempt(s)	to adjust respira	ator duri	ing assessme
Α			respirator to slip	A	(CUECK /ALL TUAT	ADDLV)		
Α			erved self in mirror to evaluate fit and position.		sment (CHECK ✓ALL THAT	APPLT)		
		•			scontinued due to: Hair growth; beard, mustad	aha sidahuras u	hich or	oce recoirator
Ph	ysic	ian's Comme	ents	U	₹	ine, sidebums w	THICH CIC	JSS respirator
				_	sealing surface,  Difficulty breathing, or			
				_		. waa waaaantal	hla ta ai	mnlavoo
				LJ 	Comfort or Fit of respirator Recommendation(s)	was unacceptal	oie to ei	npioyee.
<b>_</b>	_	Class I	FVC - 75% or more; FEV1/FVC Ratio 70 % or more (F	Refer to Gui	deline Chart)	"		
<b>-</b>	_		strictions on Respirator Use					
□ _		_ Class I	I FVC 60%-70%; FEV1/FVC Ratio 60%-70% of Predic	ted (Refer to	o Guideline Chart)			
<b>_</b>		_ Some	specific restrictions on respirator use:					
□ _		_ Class I	II FVC 50%-60%; FEV1/FVC Ratio 50%-60% of Predic	ted (Refer t	to Guideline Chart)			
□ _		_ Respira	ator use not permitted					
□ _		_ Further	testing required:			_		
□ _		_ Subjec	t to return after facial hair is removed for completion of					
			t is to be given the opportunity to select another type o					
		,	1 111 1					
		Physicial	n's Signature John M. Concl	07 N/ F	\	hysician's Na		( Print )
		•	. 10 HH W. W. W. W.	ICL WILL	) _s	-	_	
			This record is to be maintained by the employer in accorda  Re-testing must occur ANNUALET as long as the	with 29 comployee i	CFR 1910.134 Paragraph (m) (2)( s required to wear a respirator.	I)(A) - (E).		
		· · · · · · · · · · · · · · · · · · ·					0/2000	
r_re	sp_fi	t_test_asses	Page 1 of 1		Print Da	ie. 11/1	9/2008	

06/29/1999

Revision Date

LAST NAME SAVOY FIRST NAME ANTHONY

#### **FIT TEST REPORT**

ID NUMBER	(b) (6)		
LAST NAME	SAVOY	CUSTOM1	
FIRST NAME	ANTHONY	CUSTOM2	
COMPANY	CES ENVIRONMENTAL	CUSTOM3	
LOCATION	HOUSTON	CUSTOM4	
NOTE			
TEST DATE	11/19/2008	PORTACOUNT S/N	17358
TEST TIME	16:59	N95-COMPANION	N
		1499-COMPANION	IV
DUE DATE	11/19/2009		
RESPIRATOR	3M 7800 FULL FACE [500]	PROTOCOL	OSHA 29CFR1910.134
MANUFACTURER	3M	PASS LEVEL	500
MODEL	7800		
MASK STYLE	FULL FACE	APPROVAL	
MASK SIZE	MEDIUM	EFFICIENCY <99%	N
<u>ISE</u>	DURATION (sec)	FIT FACTOR	PASS
AL BREATHING	60	4870	Υ

EXERCISE	<b>DURATION</b> (sec)	FIT FACTOR	PASS
NORMAL BREATHING	60	4870	Υ
DEEP BREATHING	60	2930	Υ
HEAD SIDE TO SIDE	60	4940	Υ
HEAD UP AND DOWN	60	5260	Y
TALKING	60	3360	Υ
GRIMACE	15	Excl.	
BENDING OVER	60	5020	Υ
NORMAL BREATHING	60	6420	Υ

**OVERALL FIT FACTOR** 

4390

FITTEST OPERATOR

DATE ///19/08
DATE /// 19/08

Spirometry Report

Puritan-Bennett Renaissance II

ID:

Name:

Gender:

G050700538

78*

Version: 1.1.11 BEST 3 FVC/FVL REPORT

Session Date: Session Time:

19N0V2008 04:32PM

Last Cal Check:

19N0V2008

MALE

Height: 37YRS Age: Weight: 167LBS Physician: Technician:

Temperature: Barometric Press: BTPS Correction:

72F 759mmHq 1.104KNUDSON 83

246278

Medication: Dosage:

PREMED - 04:32PM

10YRS, 10 Pack Yrs Ethnicity/Correction: AFRICAN AMERICAN 88.0%

Normals:

Sensor Code:

< Indicates Below LLN

Clinical Format:

Best Criteria:

* Indicates Best Value

VAL

Smoker:

<u>MEASUREMENT</u>	<u> 1111 3</u>	<u>xered</u>	<u>irial 5</u>	<u> 1r1a1 1</u>	<u>Pred</u>	LLN
FVC (L)	4.04*	97	3.95	3.87	4.15	3.37
FEV1 (L)	3.16*	91	3.06	3.06	3.44	2.72
FEV1%	78	93	77	79	84	73
FEF25-75 (L/S)	2.76*	75	2.63	2.80	3.66	
PEF(L/S)	7.62*	96	6.83	6.60	7.90	
FET (S)	6.04*		6.78	5.89		

Report Summary:

BEST FEV1%

Pre Med:

Tests 5 Acceptable 2 Reproducible 2 FVC VAR:

88ML FEV1 VAR:

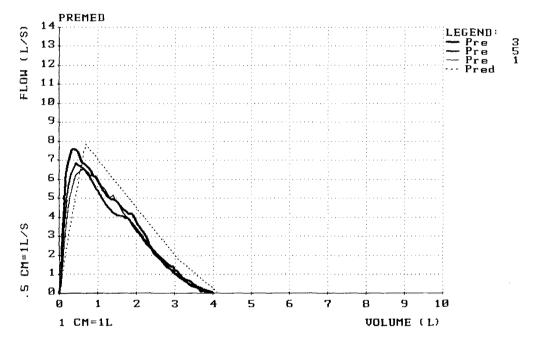
101ML PEF VAR:

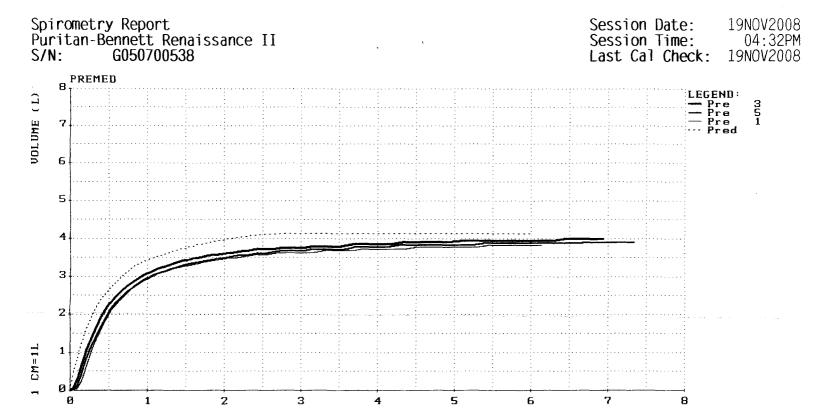
797ML/S

ATS Interpretation:

Lung Age: 57 YRS Comment:

PREMED - Normal Spirometry COPD Risk 2% If stop smoking: 1%





2 CM=1S

TIME (S)

Concentra Medical Centers
10909 East Frwy Houston, TX 77029
Phone: (713) 973-7943 Fax: (713) 973-7947

#### Physical Exam

Name: Savoy, Anth PHYSICAL EXAM	ΛÍ,	ž <b>~</b> 1		SSN: (b)					Date:	11/19/		
				perature:		sion: Uncorrected					/isual F	
,			Repe	eat B/P ,	_	Near Rt		Near Rt		F	રt <u>&amp;</u> ૈ	<u>&gt;</u> 0
(2 min of ex)	_ Pulse					Lt	<u>_</u> s	Lt _		L	_t <u>_</u> &S	<u> </u>
Respirations/min_		6				Distant Rt 20	/20	stant Rt		(	Color 🔉	Ç AB
Hearing to forced	•		feet	Rt NE		Lt <i>90</i>	1/20	Lt			-	erception
-				Lt NC			7					AB .
				Heart	1	\	R	eflexes			-	
HEENT				Rhythm	/ NL	∕AΒ		Babinski		_ ∕Ni	AB	
Eyes				Auscultation	NL	АВ		Romberg		N	EĠ PO	S
Globe	/NL	AB		Abdomen	NL	/AB		Pupillary	Rt	N	_ AB	
Pupils	NL .	AB		Abd. surg. scar	M	<b>Y</b>			Lt	N	_ AB	
EOM's	\ NL/	AB		<u>Hernia</u>				Accom.	Rt	N	_ ∫AB	
Funduscopic	ML	AB		Umbilical	Ņ	Υ			Lt	/ NĻ	∠ ab	
Ocular Pressur	e:			Inguinal	W	Υ		Biceps	Rt	Mil	_ AB	
Rt	ŊL	AB		Femoral	Ν	Υ			Lt	ήνL	_ AB	
Lt	ŊL	AB		Varicocele	N.	Υ		Knee	Rt	Ņι	_ AB	
<u>Ears</u>	1			Upper Extremity	( NĽ	AB			Lt	ŅL	_ AB	
Canal Clear	/ 1	N		Hands/Fingers	NL	AB		Ankle	Rt	Ņι		
TM Visualized	1	N		Legs	NL		_		Lt	ŊL	_ AB	
Scarring of TM	1 1	Y		Knees	NL	AB	<u>P</u>	ropriocept		Z Ku		
Drainage	1 1	Y		Knee surg. scar	N	Υ		Up. Ext.	Rt Lt	- ÄL - / NL		
Nose	NL	AB		Feet/ankles	NL	AB		Low. Ext.		NL	,	
Mouth		4.5		Varicosities	NL	AB			Lt	( NL	/	
Teeth	1 1	AB		Up. ext. strength	NL	AB	<u>S</u>	ensory Ex	amin	ation:		
Throat Skin	1 1	AB AB		Up. ext. ROM	NL	ł .		Up. Ext.	Rt	Nji	∕\AB	
Neck	1 1	AB		Low. ext. strength	NL	AB		·	Lt	, NL	3	
Thyroid	, 1	AB		Low. ext. ROM	NL	AB		Low. Ext.		/ NL		
Chest Wall	1 1	AB		Back/spine ROM	NL N	AB Y	_	DTIONIAL	Lt	(N)	AB	
Lungs	1	AB		Back surg. scar Neurological Exam		1		PTIONAL	<u>.</u>	8.0	4 D	
<b></b> 0g-		, ,,,		Cran. nerves 2-12:	3	ΔR		enitalia reast			_ AB _ AB	
Comments:				Oran. Herves 2-12.	(C)	<i>)</i>		ectal			. AB	
		<del></del>						Cotai		- 144	- 710	
ANCILLARY STU	DIES	1 4	10	Albumin Si								
Urinalysis Spec.	Gravity	: 1.0	U	AlbuminSı	ugar _	Bloo	od	nia	-			
EKG	N/A	NL	AB	See Results		HPE V	Ν	L <i>Al</i> ÍB				
Comments:					_	Comments:		<del></del>				
Lumbar X-Ray	N/A	NL	AB	See Results	_	Pulmonary Func	tion	Test [.]				
Comments:						FEV1 FVC _			С			
					_	Respirator Quali			-	_		
Chest X-Ray	N/A			See Results		Comments:						
Comments:	<del></del>				_	1				<del></del>		
Blood Analysis	N/A	NL	AB	See Results		Impairment Ratir						
Comments:						Comments:						
									·			
Audiogram	N/A	NL	AB	See Results								
Comments:												

Eval - Pre-Placement

**Service Date:** 11/19/2008

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

#### **Physical Exam**

Name: Savoy, Anthony

SSN: (b) (6)

Date: 11/19/2008

**Service Date:** 11/19/2008

 Examination Results
 Able to perform essential functions as listed.
 Unable to perform all essential functions as listed. Please list failed essential function(s):
 No medical restrictions are indicated.
 The following medical restrictions are indicated:
Recommend further evaluation.  Remarks:
remarks.
Provider Print Name Here
Provider Signature

#### **Anissa Wright**

From:

Jay Matlock

Sent: To: Subject: Friday, May 01, 2009 2:42 PM Anissa Wright; Matt Bowman

Subject: Attachments: RE: Anthony Savoy
Anthony Savoy[1].doc

Matt and Annisa, Upon further investigation into the matters with Tony, I found out that Tony indeed did have permission from Mike to attend to issues that he had with his vehicle. Although this does not excuse his other absences, I have modified the write up form that Annisa and I had previously agreed upon, and action will be taken.

Jay Matlock
Plant Manager
Port Arthur Chemical and Environmental Services
(832) 231-3035
jmatlock@cesenvironmental.com

From: Anissa Wright

Sent: Friday, May 01, 2009 1:57 PM

To: Jay Matlock

Subject: RE: Anthony Savoy

No problem, good job. Just a few changes.

**Thanks** 

From: Jay Matlock

**Sent:** Friday, May 01, 2009 1:32 PM

To: Anissa Wright

**Subject:** RE: Anthony Savoy

Sorry, lets try again

Jay Matlock
Port Arthur Chemical and Environmental Services
(832) 231-3035
jmatlock@cesenvironmental.com

From: Anissa Wright

Sent: Friday, May 01, 2009 1:31 PM

To: Jay Matlock

Subject: RE: Anthony Savoy



Jay, I did not get the attachment. Please resend.

**Thanks** 

From: Jay Matlock

**Sent:** Friday, May 01, 2009 1:19 PM

To: Anissa Wright

Subject: RE: Anthony Savoy

Annisa, This is what I am going to present to Anthony. Please review and add anything you feel is necessary. Thanks for your assistance

Jay Matlock
Port Arthur Chemical and Environmental Services
(832) 231-3035
jmatlock@cesenvironmental.com

From: Anissa Wright

**Sent:** Friday, May 01, 2009 11:50 AM

**To:** Jay Matlock **Cc:** Matt Bowman

Subject: re: Anthony Savoy





Jay, it is important that you write up each employee who no shows, leaves without notice or violates any other company policy. I know that this may be cumbersome at times, but we need to make sure we document each occurrence should termination come in to play later down the road **and** to ensure that everyone is being treated fairly. Everyone needs to understand that they will be held accountable.

#### Thanks Anissa

From: Matt Bowman

Sent: Friday, May 01, 2009 11:41 AM

**To:** Anissa Wright **Cc:** Jay Matlock

Subject: RE: Anthony Savoy

#### (b) (6)

From: Anissa Wright

Sent: Friday, May 01, 2009 11:38 AM

To: Matt Bowman Subject: Anthony Savoy Importance: High

Matt,

#### (b) (6)

Please advise.

Thanks

Anissa Wright Human Resource CES Environmental 713-676-1460



## **Employee Disciplinary Report**

Date: May 1, 2009	
Employee Name: Anthony Savoy	
Type of Disciplinary Action: (b) (6)	
Dates and Circumstance of Prior Disciplinary Actions:	
No Prior Disciplinary Actions	
Circumstances for Current Disciplinary Action:	
(b) (6)	
Employee Signature:	
Manager's Signature:	
Note: Tony refused to sign	

#### **Anissa Wright**

Anthony Source

From:

Suzi Mock

Sent:

Wednesday, April 29, 2009 4:28 PM

To: Subject: Anissa Wright RE: Tony's Time

Anissa,

Anothy missed all day Tuesday last week, He also says he needs another timecard

Thanks!

Suzi

From: Suzi Mock

Sent: Wednesday, April 29, 2009 6:59 AM

**To:** Anissa Wright **Subject:** Tony's Time

Anissa,

Here is Tony Savoys time for last week:

Monday- 6am-5pm Tuesday 6am-5pm Wednesday 6am-3:30pm Thursday 6am-7:30pm Friday 6am-5pm

Thanks!

Suzi

#### **Anissa Wright**

From:

Matt Bowman

Sent:

Wednesday, April 29, 2009 4:30 PM

To:

Anissa Wright

Subject:

RE: Payroll advances to dennis and tony

agreed

From: Anissa Wright <a wright@cesenvironmental.com>

Sent: Wednesday, April 29, 2009 2:57 PM

**To:** Matt Bowman <mbowman@cesenvironmental.com> **Subject:** RE: Payroll advances to dennis and tony

Matt,

#### (b) (6)

Thanks Anissa

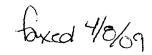
From: Matt Bowman

Sent: Friday, April 24, 2009 5:29 PM

To: Anissa Wright; Greg Bowman; Steve Stricker; Jay Matlock; Juanita Thomas

Subject: Payroll advances to dennis and tony

#### (b) (6)





## TEXAS EMPLOYER NEW HIRE REPORTING PROGRAM New Hire Reporting Form

Please write all entries in CAPS • All items MUST be completed unless noted with an *
 PRINT legibly in ink, or type all entries • Further instructions are on reverse side

EMPLOYER INFORMATION					
Federal Employer ID     Number (FEIN)	(b) (6)  2. State Employer ID  Number * (b) (6)				
3. Employer's Name	ICIEISI IEINIVII IRIOINIMEINITIAILI ISIEIRIVII ICIEISI I/ INICI I I				
4. Employer's Address	141910141 161R11 161G1S1 1R101A1D1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
5. Employer's City	14 10 10 15 17 10 1N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
8. Employer's Payroll					
Address (if different from above) *					
Employer's Payroll     City	10. State 11. ZIP Code				
12. Employer's Telephon	e (1711 131)16171611/1416101 13. Employer's FAX (171/131)1617161-1/1617161				
14. New Hire Contact Pe	14. New Hire Contact Person'   P   R   A   B   H   A   K   A   R				
<b>EMPLOYEE INF</b>					
15. Social Security Number (SSN)	(b) (6)  16. First Day of Work Month Day Year (4 digits) (Mo/Day/Yr) *				
17. Employee First Name	AWITINIONIYI I I I I I I I I I I I I I I I I I I				
18. Employee Middle Name	1RIA IMIO INIE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
19. Employee Last Name	131A 1V 1011/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
20. Employee Home Address	) (6)				
21. Employee City	1B1C1Q1U1M101N1TT   1   1   22. State   23. ZIP Code   17171710U1-1   1				
24. Employee Foreign Address					
	25. City 26. Country 27. Postal Code				
28. State Where Employe	e was hired*   T   X   29. Employee DOB (Mo/Day/Yr) (b) (6)				
30. Employee's Salary D (\$ and cents)     ,	oflars (b) (6) 31. Salary (Thourly (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check One) (Check				

*Optional

Submit within 20 calendar days of new employee's first day of work to ENHR Operations Center, P.O. Box 149224, Austin, Texas 78714-9224 FAX: 1-800-732-5015, Phone: 1-800-850-6442 Online: http://employer.oag.state.tx.us

December 2005 ENHR RPT FORM

Home | Child Suppor

<b>Employer Home</b>	User Administration	My Account	Data Transfer	Logout
----------------------	---------------------	------------	---------------	--------

New Hires | Terminations | Verification of Employment | Medical Support | Wage Withholding | Payments |

General Information | All submitted records for the company(s) you are authorized to report on may be viewed, edited, or printed |

Online Reporting | This is a record of the current daily work and is only available prior to the processing of the record.

Report Termination View Today's Activity

To edit a record, click the number in the Edit column.

To print the detail of today's activities, click the Print button on your browser.

Edit	Employee Name	Form Type	FEIN	Legal Name	Submitted	Submitted By	Process
1		Termination	760592985	CES ENVIRONMENTAL SERVICES INC	05/04/2009 09:45:45	WRIGHT, ANISSA	
2	(b) (6)		760592985	CES ENVIRONMENTAL SERVICES INC	05/04/2009 09:27:53	WRIGHT, ANISSA	
3		Termination	760592985	CES ENVIRONMENTAL SERVICES INC	05/04/2009 09:26:11	WRIGHT, ANISSA	

Portal Tips | Accessibility | Privacy & Security Policy

# KROLL

Date Requested: 17-Mar-2009

09:39:38 AM CST

**Acct No:** 64449

Male

Reference Number: 8454896

**CLIENT INFORMATION** 

Client: CES Environmental

Address: 4904 Guggs Road

Houston, TEXAS 77021

Phone: 713-676-1460 Requestor: Anissa Wright

SUBJECT INFORMATION

Title: Mr.

Name: Savoy, Anthony

Name Suffix:

Address:

Package Ordered: Three Points Package

**SERVICES ORDERED** 

**Service Name** 

County Criminal Record Search

Federal Criminal National Record Search

SSN Trace & Address Locator Database

Location

JEFFERSON TX

Name Searched Savoy, Anthony

QA'd

**Status** 

Alert Disposition

Status: QA

SSN:

Gender:

Date of Birth:

Savoy, Anthony

QA'd

Savoy, Anthony QA'd

QA: Kroll Employee

**QA Date:** 25-Mar-2009 11:03 AM CST

Notice:

The information contained herein should not be the sole determinant in an evaluation of the above-listed individual.

THIS REPORT IS SUBMITTED IN STRICT CONFIDENCE AND EXCEPT WHERE REQUIRED BY LAW, NO INFORMATION PROVIDED IN THIS REPORT MAY BE REVEALED DIRECTLY OR INDIRECTLY TO ANY PERSON EXCEPT TO ONE WHOSE OFFICIAL DUTIES REQUIRE THEM TO PASS ON THE TRANSACTION IN RELATION TO WHICH THIS REPORT WAS ORDERED.

This report does not guarantee the accuracy or truthfulness of the information as to the subject of the investigation, but only that it is accurately copied from public records. As such, there is a possibility that this report may contain evidence of criminal activity inaccurately associated with the subject of this report. In order to assist with the prevention of identity theft crimes, every consumer may receive a free copy of this report per request.

The information provided herein shall not be construed to constitute a legal opinion; rather it is a compilation of public records/data for your review.

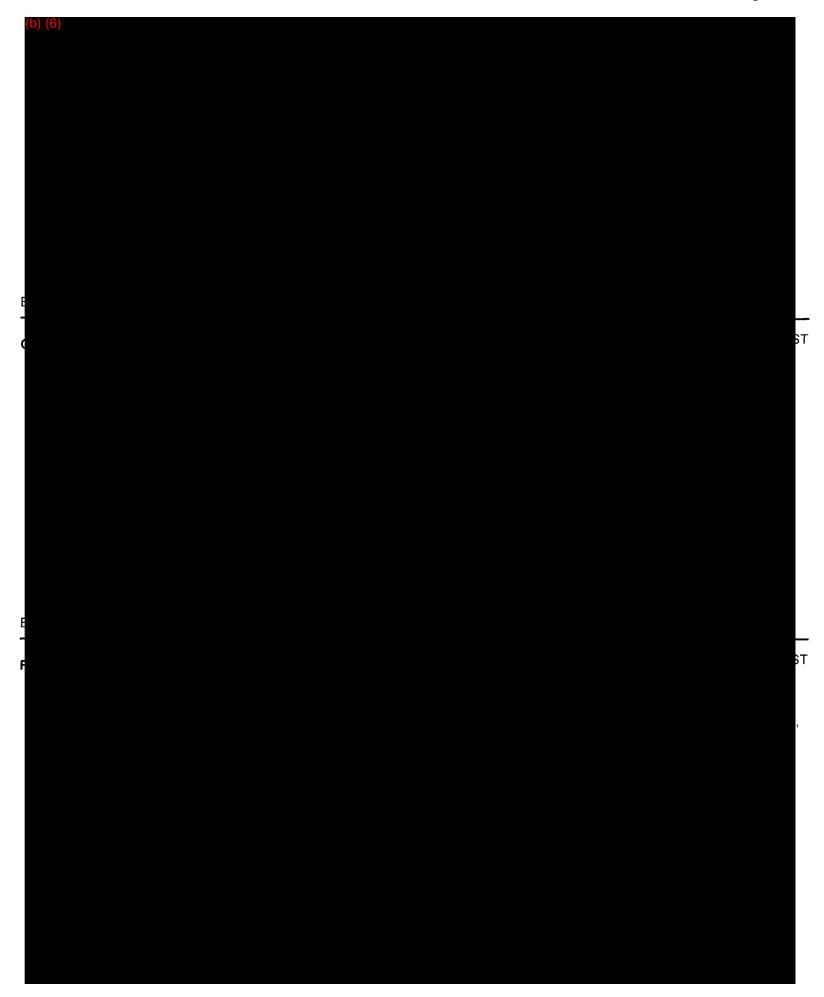
Kroll Background America searched the public record source for the above listed information limited to the stated searched period. The records are differentiated at the source by one or all of the following identifiers: name, address, date of birth, national insurance number, nationality and/or gender. The accuracy of the results may be affected without one or more of these identifiers.

County Criminal Record Search

QA'd as of 23-Mar-2009 03:56 PM CST

https://secure.baionline.net/SubjectReport.aspx?ReqMastID=8454896

4/8/2009





Back To Services Ordered

**SSN Trace & Address Locator Database** 

QA'd as of 18-Mar-2009 12:43 PM CST

First Name: Anthony

Middle Name:

Last Name: Savoy

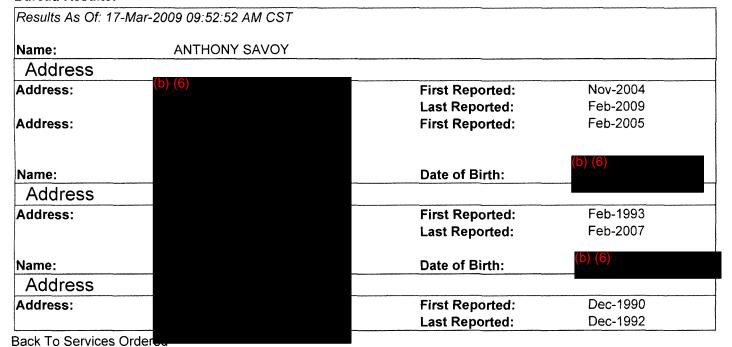
Social Security Number:

Source Searched: National Database (auto)

Remarks:

Important: The Public Records and commercially available data sources used for this search have errors. Data is sometimes entered poorly, processed incorrectly and is generally not free from defect. This system should not be relied upon as definitively accurate. Before relying on any data this system supplies, it should be independently verified.

#### **Bureau Results:**



## INCOME WITHHOLDING FOR SUPPORT ADMINISTRATIVE WRIT OF WITHHOLDING OSTED

☐ ORIGINAL INCOME WITHHOLDING ORDER/NO ☐ ONE-TIME ORDER/NOTICE-LUMP SUM PAYME ☐ TERMINATION of IWO	
Child Support Enforcement (CSE IV-D) Agency Court	Attorney Private Individual/Entity (Check One)
authorizing income withholding must be attached. Or if under State law	r Tribal Child Support Enforcement agency or a court, a copy of the underlying order that contains a provision an attorney in that State, or if under Tribal law a Tribal legal representative, may issue an income withholding order te or Tribal law authorizing the attorney or Tribal legal representative to issue an income withholding order.
State/Tribe/Territory Texas City/County/Dist./Tribe 317TH DISTRICT COURT JEFFERSON	Case Identifier 0009639342
Private Individual/Entity	Order Identifier C203468
CES ENVIRONMENTAL SERVICES INC	RE: SAVOY, ANTHONY RAMONE
Employer/Income Withholder's Name 4904 GRIGGS RD	Employee/Obligor's Name (Last, First, MI)  (b) (6)
HOUSTON, TX 77021-3208-04 Employer/Income Withholder's Address	Employee/Obligor's Social Security Number (if known)  (b) (6)
(b) (6)	Custodial Party/Obligee's Name (Last, First, MI)
Employer /Income Withholder's Federal EIN	
Child's Name (Last, First, MI)	
SAVOY, JORDAN C	
ORDER INFORMATION: This document is based on the support or w	rithholding order from TEXAS
You are required by law to deduct these amounts from the employee/obling   Per monthly	
\$ Per monthly	past-due child support - Arrears greater than 12 weeks?
\$ Per monthly	
\$ Per monthly	past-due cash medical support
\$ Per	current spousal support
\$ Per	past-due spousal support
Per	other (must specify)
for a total of store Per monthly	to be forwarded to the payee below.
AMOUNTS TO WITHHOLD: You do not have to vary your pay cycle withhold one of the following amounts:	to be in compliance with the <i>Order Information</i> . If your pay cycle does not match the ordered payment cycle,
s (b) (6) per weekly pay period.	\$ per semimonthly pay period (twice a month).
\$ per biweekly pay period (every two we	per monthly pay period.
	Do not stop any existing IWO unless you receive a termination order.

orders for this employee/obligor, withhold up to 50 % of disposable income for all orders.

If the employee/obligor's principal place of employment is not in Texas, see the ADDITIONAL INFORMATION FOR EMPLOYERS AND OTHER INCOME WITHHOLDERS section for limitations on withholding, applicable time requirements, and any allowable employer's fees.

Document Tracking Identifier 283629831

For EFT/EDI instructions, contact the EFT/EDI office at 1-877-474-4463 before first submission.

IMPORTANT: The person completing this form is advised that the information on this form may be shared with the obligor.

October 2008

OMB 0970-0154 Form 3N051

If paying by check, make check payable to:

OFFICE OF THE ATTORNEY GENERAL

Send check to:

TX CHILD SUPPORT SDU

P O BOX 659791

SAN ANTONIO, TX 78265-9791

Include these Remittance Identifiers with payment:

AG Case # **0009639342** Cause # **C203468** 

FIPS code (if necessary): 4800000

alicia B. Keny

Signature and Date 3/13/2009
Print Name: Alicia G. Key

Title of Issuing Official: Deputy Attorney General for Child Support

If checked, you are required to provide a copy of this form to your employee/obligor. If the employee/obligor works in a State or for a Tribe that is different from the State or Tribe that issued this order, a copy must be provided to your employee/obligor even if the box is not checked.

#### ADDITIONAL INFORMATION FOR EMPLOYERS AND OTHER INCOME WITHHOLDERS

State specific information may be viewed on the OCSE Employer Services website located at: http://www.acf.hhs.gov/programs/cse/newhire/employer/contacts/contacts.htm

**Priority:** Withholding for support has priority over any other legal process under State law (or Tribal law, if applicable) against the same income. If a Federal tax levy is in effect, please notify the contact person listed below.

Combining Payments: You can combine withheld amounts from more than one employee/obligor's income in a single payment to each agency/party requesting withholding. You must, however, separately identify the portion of the single payment that is attributable to each employee/obligor.

Reporting the Pay Date/Date of Withholding: You must report the pay date when sending the payment. The pay date is the date on which the amount was withheld from the employee/obligor's wages. You must comply with the law of the State (or Tribal law, if applicable) of the employee/obligor's principal place of employment with respect to the time periods within which you must implement the withholding and forward the support payments.

Employee/Obligor with Multiple Support Withholdings: If there is more than one Order/Notice against this employee/obligor and you are unable to fully honor all support Orders/Notices due to Federal, State, or Tribal withholding limits, you must follow the State or Tribal law/procedure of the employee/obligor's principal place of employment. You must honor all Orders/Notices to the greatest extent possible, giving priority to current support before payment of any past-due support.

Lump Sum Payments: You may be required to report and withhold from lump sum payments such as bonuses, commissions, or severance pay. Contact the agency or person listed below to determine if you are required to withhold or if you have any questions about lump sum payments.

Liability: If you have any doubts about the validity of the Order/Notice, contact the agency or person listed below. If you fail to withhold income as the Order/Notice directs, you are liable for both the accumulated amount you should have withheld from the employee/obligor's income and any other penalties set by State or Tribal law/procedure.

Anti-discrimination: You are subject to a fine determined under State or Tribal law for discharging an employee/obligor from employment, refusing to employ, or taking disciplinary action against any employee/obligor because of a child support withholding.

Withholding Limits: You may not withhold more than the lesser of: 1) the amounts allowed by the Federal Consumer Credit Protection Act(CCPA)(15 U.S.C. 1673 (b)); or 2) the amounts allowed by the State or Tribe of the employee/obligor's principal place of employment. Disposable income is the net income left after making mandatory deductions such as: State, Federal, local taxes, Social Security taxes, statutory pension contributions and Medicare taxes. The Federal limit is 50% of the disposable income if the obligor is supporting another family and 60% of the disposable income if the obligor is not supporting another family. However, that 50% limit is increased to 55% and that 60% limit is increased to 65% if the arrears are greater than 12 weeks. If permitted by the State, you may deduct a fee for administrative costs. The support amount and the fee may not exceed the limit indicated in this section.

Employee/Obligor's Name ANTHONY RAMONE SAVOY	Case Identifier 0009639342
Order Identifier C203468	Employer's Name CES ENVIRONMENTAL SERVICES INC
Arrears greater than 12 weeks: If the Order Information does not indicate the CCPA limit using the lower percentage.	e whether the arrears are greater than 12 weeks, then the employer should calculate
For Tribal orders, you may not withhold more than the amounts allowed un you may not withhold more than the lesser of the limit set by the law of the under section 303(d) of the CCPA (15 U.S.C. 1673 (b)).	nder the law of the issuing Tribe. For Tribal employers who receive a State order, jurisdiction in which the employer is located or the maximum amount permitted
Depending upon applicable State law, you may need to take into considerat and applying appropriate withholding limits.	tion the amounts paid for health care premiums in determining disposable income
Additional information:	
NOTIFICATION OF TERMINATION OF EMPLOYMENT: You must below by returning this form to the correspondence address if:	st promptly notify the Child Support Enforcement Agency and/or the person listed
☐ This person has never worked for this employer.	
☐ This person no longer works for this employer.	
Please provide the following information for the terminated employee:	
Termination date:	Last known phone number:
Last known home address:	
Date final payment made to the State Disbursement Unit or Tribal CSE age	
Final payment amount:	New employer's name:
New employer's address:	
CONTACT INFORMATION  To employer: If the employer/income withholder has any questions, contact CHILD SUPPORT UNIT 0502E  1110 CALDER AVE BEAUMONT, TX 77701-1701	et <u>CHIN VAN DANG</u> at:
by phone at (409) 832-1606, by fax at (409) 832-6563, or by Internet for	employers at <a href="http://employer.oag.state.tx.us">http://employer.oag.state.tx.us</a>
Send termination notice and other correspondence to:  Or	You may submit the termination online via the Internet at <a href="http://employer.oag.state.tx.us">http://employer.oag.state.tx.us</a>
Office of the Attorney General Child Support Division Central File Maintenance P O Box 12048 Austin, TX 78711-2048	http://employer.oag.state.ta.tas
To employee/obligor:	
If the employee/obligor has any questions, contact CHIN VAN DANG CHILD SUPPORT UNIT 0502E 1110 CALDER AVE	at:
BEAUMONT, TX 77701-1701	
by phone at (409) 832-1606, by fax at (409) 832-6563, or by Internet for e	employees at <a href="http://childsupport.oag.state.tx.us">http://childsupport.oag.state.tx.us</a>

IMPORTANT: The person completing this form is advised that the information on this form may be shared with the obligor.

October 2008

OMB 0970-0154 Form 3N051 MC: EL 0502E FS# 283629831 Central File Maintenance P. O. Box 12048 AUSTIN, TX 78711-2048



Date: March 13, 2009

CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON, TX 77021-3208-04

Custodial Parent: (b) (6)
Non-Custodial Parent: ANTHONY SAVOY
Attorney General Case# 0009639342
Cause # C203468

ATTN:

**RE: ANTHONY RAMONE SAVOY** 

Dear Employer:

Enclosed please find an Order/Notice to Withhold Income for Child Support (Administrative Writ of Withholding).

You are required to begin withholding from your employee's disposable earnings no later than the first pay period following the date this document is received by you, and pay all amounts withheld on each regular pay day, according to the terms of the Order/Notice [Texas Family Code §158.202].

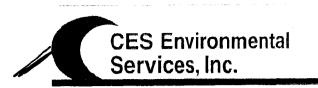
If the employee's obligation changes in the future, another Order/Notice for the new amount will be sent to you.

For questions you have regarding the Order/Notice or electronic payment options, please access the Employer Handbook online at <a href="http://employer.oag.state.tx.us">http://employer.oag.state.tx.us</a> or contact us at 1-800-850-6442.

Sincerely, CHIN VAN DANG CHILD SUPPORT UNIT 0502E 1110 CALDER AVE BEAUMONT, TX 77701-1701 (409) 832-1606

**Enclosures** 

September 2005 Form 3L038



## **Employee Information**

Personal Information	
Full Name: SAVOY, ANAHONY R.	<del></del>
Address:	
(b) (6) Apartment/Unit #	ţ
State ZIP Code	
Home Phone: Alternate Phone: ( )	
E-mail Address:	
Social Security Number or Government ID: (b) (6)	
Birth Date: Marital Status: Single	
Spouse's Name:	
Spouse's Employer: Spouse's Work Phone: ( )	
Job Information	
Supervisor: Department:	
Work Location: E-mail Address:	
Work Phone: ( ) Cell Phone: ( )	
Start Date: Salary: \$	
Emergency Contact Information	
(b) (6)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Full Name Last   First M.I.	
Address: Street Address Apartment/Un	:1.11
(b) (6)	IC #F
City State ZIP Code	
Primary Phone:  Alternate Phone: ( )	
Relationship:	

Please read instructions carefully before completing this form. The instructions must be available during completion of this form.

ANTI-DISCRIMINATION NOTICE: It is illegal to discriminate against work eligible individuals. Employers CANNOT specify which document(s) they will accept from an employee. The refusal to hire an individual because the documents have a future expiration date may also constitute illegal discrimination.

rint Name: Last		o be complete	ed and signed by	employee	at the time employment begins.
	First		Middle		Maiden Name
SAVOY, ANTHONIU	2				
ddress (Street Name and Number)			Apt #		Date of Birth (month/day/year)
(b) (b)			•		(b) (6)
lity	State		Zip Co	de	Social Security #
$\mathcal{D}$ .	17		797		(b) (6)
Blaumont	<u>/X `     </u>				Col. (1)
am aware that federal law provides for	r		penalty of perjury, the zen or national of the		k one of the following):
mprisonment and/or fines for false state	1	<u></u>	ten or national of the ful permanent resider		
ise of false documents in connection wit	th the		•		
completion of this form.	į		# or Admission #)		
imployee's Signature	L	(/1/10//	" of realmostar"	1	Date (month/day/year)
March S					B 11-19-2000
Preparer and/or Translator Certificatio	To be comm	lated and signed i	Castion Lin propaga	d by a perso	
penalty of perjury, that I have assisted in the complete	tion of this form	and that to the be	st of my knowledge to	he informatio	is true and correct.
Preparer's/Translator's Signature	<del></del>		Print Name		
Address (Street Name and Number, City, S	State, Zin Code)			Tr	Date (month/day/year)
				1	*
List A  Document title:	OR (b) (	List	1)	AND	(b) (6)
Issuing authority:					
	4.30				
·					
Document #:		W		-	
Document #:  Expiration Date (if any):  Document #:				-	
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Document #:  Expiration Date (if any):  Document #:  Expiration Date (if any):  CERTIFICATION - I attest, under penalty	of perjury, the	at I have exam	ined the documen	t(s) presen	ted by the above-named employee, that
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## Form **8850**

(Rev. June 2007)
Department of the Treasury
Internal Revenue Service

## Pre-Screening Notice and Certification Request for the Work Opportunity Credit

► See separate instructions.

OMB No. 1545-1500

		Job applicant: Fill in the lines below and check any boxes that apply. Complete only this side.
Υοι	ır nar	ne HWHONY SAVOY Social security number >
		(b) (6)
Stre	eet ac	ddress where you live
City	or to	own, state, and ZIP code Beaumont 7X, 17705
Tele	phor	(b) (6) ne number
		8, 7!
	ou are	e under age 40, enter your date of birth (month, day, year) 8/6/7/
1		Check here if you are completing this form <b>before</b> August 28, 2007, and you lived in the area impacted by Hurricane Katrina on August 28, 2005. If so, please enter the address, including county or parish and state where you lived at that time.
2		Check here if you received a conditional certification from the state workforce agency (SWA) or a participating local agency for the work opportunity credit.
3		Check here if <b>any</b> of the following statements apply to you.  I am a member of a family that has received assistance from Temporary Assistance for Needy Families (TANF) for any 9 months during the past 18 months.
		• I am a veteran and a member of a family that received food stamps for at least a 3-month period during the past 15 months.
		• I was referred here by a rehabilitation agency approved by the state, an employment network under the Ticket to Work program, or the Department of Veterans Affairs.
		I am at least age 18 but <b>not</b> age 40 or older and I am a member of a family that:      Respired food etemps for the past 6 months are
		<ul> <li>a Received food stamps for the past 6 months, or</li> <li>b Received food stamps for at least 3 of the past 5 months, but is no longer eligible to receive them.</li> </ul>
		<ul> <li>During the past year, I was convicted of a felony or released from prison for a felony.</li> </ul>
		<ul> <li>I received supplemental security income (SSI) benefits for any month ending during the past 60 days.</li> </ul>
4		Check here if you are a veteran entitled to compensation for a service-connected disability <b>and</b> , during the past year, you were:
		Discharged or released from active duty in the U.S. Armed Forces, or
		Unemployed for a period or periods totaling at least 6 months.
5		Check here if you are a member of a family that:
		Received TANF payments for at least the past 18 months, or
		<ul> <li>Received TANF payments for any 18 months beginning after August 5, 1997, and the earliest 18-month period beginning after August 5, 1997, ended during the past 2 years, or</li> </ul>
		<ul> <li>Stopped being eligible for TANF payments during the past 2 years because federal or state law limited the maximum time those payments could be made.</li> </ul>
		Signature—All Applicants Must Sign
Unde	r pena	Ities of perjury, I declare that I gave the above information to the employer on or before the day I was offered a job, and it is, to the best of
-		dge, true, correct, and complete.
		Date // /9/ 08

Form 8850 (Rev. 6-07	)									Page 2
			For Empl	oyer's Use	Only					
Employer's name	)			Telephone	no. ( <u>)</u>		EIN	<b>-</b>		
Street address _										
City or town, stat	te, and ZIP code									
Person to contac	t, if different fron	ı above				Telep	hone no.	()		<del></del>
Street address _										
City or town, stat	te, and ZIP code							·····		
If, based on the i of Targeted Grou	_		•		• •					ers ▶
Date applicant:	Gave information	/ /	Was offered job	/ /	Was hired	/	<u>/</u>	Started job	/	/
Complete Only	If Box 1 on P	age 1 is Chec	ked							
State and county or parish of job					Check if the on August the empload August 28	28, 2005, yee has b	and this	is the first	time	
Under penalties of per furnished is, to the bes member of a targeted	st of my knowledge, t	rue, correct, and con	nplete. Based	on the informat	ion the job appl	icant furnishe				
Employer's sign:	ature ▶			Title				Date	/	/

#### Privacy Act and Paperwork Reduction Act Notice

Section references are to the Internal Revenue Code.

Section 51(d)(13) permits a prospective employer to request the applicant to complete this form and give it to the prospective employer. The information will be used by the employer to complete the employer's federal tax return. Completion of this form is voluntary and may assist members of targeted groups in securing employment. Routine uses of this form include giving it to the state workforce agency (SWA), which will contact appropriate sources to confirm that the applicant is a member of a targeted group. This form may also be given to the Internal Revenue Service for administration of the Internal Revenue laws, to the Department of Justice for civil and

criminal litigation, to the Department of Labor for oversight of the certifications performed by the SWA, and to cities, states, and the District of Columbia for use in administering their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by section 6103.

The time needed to complete and file this form will vary depending on individual circumstances. The estimated average time is:

If you have comments concerning the accuracy of these time estimates or suggestions for making this form simpler, we would be happy to hear from you. You can write to the Internal Revenue Service, Tax Products Coordinating Committee, SE:W:CAR:MP:T:T:SP, 1111 Constitution Ave. NW, IR-6406, Washington, DC 20224.

Do not send this form to this address. Instead, see *When and Where To File* in the separate instructions.

# Application For Employment Solicitud de Empleo

We consider applications for all positions without regard to race, color, religion, creed, sex, national origin, disability, sexual orientation, citizenship status or any other legally protected status. Aceptamos solicitudes para todas las posiciones sin tomar en cuenta raza, color, religión, credo, sexo, nacionalidad, incapacidad, orientación sexual, estado de ciudadanía, o cualquier otro estado protegido legalmente.

(PLEASE PRINT/SIRVASE ESCRIBIR EN LETRA	AS DE MOLDE)	
Position(s) Applied For Puesto(s) que solicita	Date of Application/Fecha de la	Solicitud
JR HSE MANAGER.	3/16/2009	
JR HSE LANA geh How Did You Learn About Us? ¿Cómo se enteró sobre nosotros?		
☐ Advertisement/Anuncio ☐ Employment Agency/Agencia de Empleo	☐ Inquiry/Vino por su cuenta	İ
☐ Relative / Pariente ☐ Friend / Amigo ☑ Other / Otro _ L	pfear	· · · · · · · · · · · · · · · · · · ·
Last Name/Apellido(s) First Name/Nombre(s)	Middle Name	
McDANC/ Shinley Address Dirección Number Número Street/Calle City/Ciudad	MARIE	
Address Dirección Number Número Street / Calle City / Ciudad	State/Estado Zio Code/Có	digo Postal
(b) (6)		
Telephone Number(s) 'Numero(s) de Teléfono Societa	al Security Number / Número de Se	guro Social
(b) (6)	(voluntary) (voluntary)	ario)
Best time to contact you at home is: La mejor hora para comunicarse con usted en ca	sa es: <u>8</u> ු ග	AM PM
If you are under 18 years of age, can you provide required proof of your eligibility to wo		
Si es menor de 18 años, ¿puede proveer las pruebas requeridas sobre su elegibilidad p		□ No
Have you ever filed an application with us before? ¿Ha solicitado empleo en esta empre	sa anteriormente? 🗌 <b>Yes</b> /Si	4 No
If Yes, give date En caso afirmativo, indique la fecha		
Have you ever been employed with us before? ¿ Ha trabajado en esta empresa anterior	rmente?	E No
If Yes, give date En caso afirmativo, indique la fecha		
Do any of your friends or relatives, other than spouse, work here?		
¿Trabaja en esta empresa algún amigo o familiar?		☐ No
Are you currently employed? ¿Trabaja actualmente?	🗌 Yes/Si	1 No
May we contact your present employer? ¿Nos autoriza a ponernos en contacto con su	empleador actual? Yes/Si	□ No
Are you prevented from lawfully becoming employed in this country because of Visa or I	mmigration Status	
¿Tiene prohibido trabajar legalmente en este país a causa de su situación de inmigracio	-	
, , , ,		
Si se le contrata se le pedirá prueba de ciudadanía o situación de inmigración	∐ Yes/Si	₩No
What is your desired salary range? ¿Cual es el alcance de su sal	lario deseado?	-
Date available for work/¿En qué fecha estará disponible para trabajar?//		
Are you available to work:/¿Está disponible para trabajar:		
☐ Full-Time / Tiempo Completo ☐ Part-Time / Tiempo Parcial ☐ Tempor	ary / Temporario	
Are you currently on "lay-off" status and subject to recall?		
¿Está actualmente en despido temporal y sujeto a que lo vuelvan a emplear?.	☐ Yes / Sí	3 No

## Education/Educación

Ĺ

	Name and Address of School Nombre y Dirección de Escuela	Course of Study Curso de Estudios	Number of Years Completed Número de Años Terminados	Diploma/Degree <i>Titulo o</i> <i>Diploma</i>
Elementary School Escuela Primaria	Hattie Mantin Robstown Texas	Regular	8	yes
High School Escuela Secundaria	Clean Creek League City Tx	negulan	4	ges
Undergraduate College Universidad de Pregrado	SAN JACINTO College	Chemistry	2-	405
Graduate/Professional Posgrado/Profesional				
Other (Specify) Otro (Especifique)				

Describe any specialized training, apprenticeship, skills and extra-curricular activities.  Describa su capacitación especializada, aprendizaje, destrezas y actividades extracurriculares.
RCRA AND TEXAS WASTE CERTIFICATION
TCEQ CLASS D WATER LICENSE
STEERS INPUT, TCEQ Report TEX personce
NPP INSpections AND AUDITS
VPP INSpections AND AUDITS
150 5002 Auditon for LAB

Describe any job-related training receive Describa la capacitación especializada r fuerzas armadas de los Estados Unidos	relacionada con el empleo que haya recibido de las
	·

## Employment Experience/Experiencia Laboral

Start with your present or last job. Include any job-related military service assignments and volunteer activities. You may exclude organizations which indicate race, color, religion, gender, national origin, disabilities or other protected status.

Indique primero su empleo actual o su último empleo. Incluya las actividades de servicio militar relacionadas con su empleo y las actividades como voluntario. Está autorizado a excluir las organizaciones que indiquen su raza, color, religión, género, origen nacional, sus incapacidades físicas o mentales o cualquier otra condición protegida por la ley.

١.	Employer Empleador		Fechas	Employed de Empleo	Work Performed/Trabajo Realizado
	Address Direction 9802 FAIR MA	ut Porkway	From/Desde	To/Hasta 2099	LDAR COORDINASTER
	Telephone Number(s), Núms 281-291-2801		Paga por l	ate/Salary * lora/Sueldo	WASTE Bennedi Astion
	Job Title Titulo del Empleo IEN VIRONMENTAL TEC	Supervisor/Supervisor GENALD (RAW) TON	Starting/inicial	Final	WATER SAMPLES & Reports
	Reason for Leaving/Motivo	oor el Cual Dejó su Empleo <b>' 5</b>			
2,	Employer Empleador Lyondell Pol		Fechas o	mployed de Empleo	Work Performed/Trabajo Realizado
	Address Dirección 9802 FAIRMI	out PARKWAY	From/Desde	2023	Soft wone LIMS ADMISTRATER
	Telephone Number(s)/Núme 281 - 291 - 2	ero(s) d <u>e</u> Teléfona 3 d <b>o</b>	Hourly R. Paga por l Starting/Inicial	ate/Salary Hora/Sueldo Final	TOMINING + Method Development
	Job Title: Titulo dei Empleo LAB SPECIALIS T	STEVE LOWRY	(b) (6)	rii at	gosista stand-in for superiis
	Reason for Leaving Motiva	oor el Gual Dejó su Empleo 504D			
},	Employer/Empleador Repene		Fechas d	mployed le Empleo	Work Performed/Trabajo Realizado
	Address Direction 5802 FriRmo	St PARKWAY	From/Desde	1990	GC, AA, WATER ANALYSIS
	Telephone Number(s) Núme 28) – 291–2801	ro(s) de Telefono	Hourly Ra Paga por F Starting/Inicial	ate/Salary lora/Sueldo Final	LEND ON Shift
		Jim Hucks Bee	(b) (6)	FIFIGI	PLANT QUANTY INSPECTIONS
	Reason for Leaving Motivo I	oor el Cual Dejó su Empleo			
	Employer/Empleador	,	Fechas o	mployed le Empleo	Work Performed/Trabajo Realizado
	Address / Dinección		From/Desde	To/Hasta	
	Telephone Number(s)/Núme	ro(s) de Teléfono	Paga por l	ate/Salary Iora/Sueldo	
	Job Title / Titulo del Empleo	Supervisor/Supervisor	Starting/Inicial	Final	
	Reason for Leaving/Motivo ;	poe el Cual Dejó su Empleo			
	If you ne	ed additional space, plea	se continue	on a sen	arate sheet of naner

If you need additional space, please continue on a separate sheet of paper Si necesita más espacio continue en otra hoja de papel

List professional, trade, business or civic activities and offices held. Indique los puestos profesionales, vocacionales, comerciales o civicos que haya ocupado, o las actividades de este tipo que haya realizado.  You may exclude membership which would reveal gender, race, religion, national origin, age, ancestry, disability or other protected status / Está autorizado a excluir la participación que revele su sexo, raza, religión, origen nacional, edad, ascendencia, incapacidad física o mental, o cualquier otra condición protegida por la ley:
CAER LINE REPROSENTATIVE
PLANT REP SOR COOPERATE WASTE IMPROVEMENT FOR EVENTS
PLANT REP for Cooperate WASTE IMPROVEMENT
·

# Additional Information/Información Adicional

Other Qualifications,	/Destrezas y Calific	caciones Especial	es
Summarize special job-related sk			
Resuma las destrezas y calificaci relacionadas con el empleo que s		experiencia, que haya adqui	irido en otros empleos y que estén
Leaden IN Re	gulstony TRAIN	ING, STAND·W	P SPEAKER
Leader IN Re Developed STAI	25 TRAINING P.	ROGRAM SON BO	TH PLANTS
ipecialized Skills/Destrez	as Especializadas (Check	Skills/Equipment Operated/Marque	e sus Destrezas o Equipos que Puede Operar)
		Production/Mobile	
Terminal	Spreadsheet	Machinery (list) Maquinaria	Other (list) Otro (indique)
<u>√</u> PC/MAC	Word Processing		
Typewriter	Shorthand		
WPM	WPM		
··· ··· <u>—</u>			
Note to Applicants: DO NOT AN NFORMED ABOUT THE REQUII Can you perform the essential fun- reasonable accommodation? A re	REMENTS OF THE JOB FOR octions of the job, for which you	WHICH YOU ARE APPLYI u are applying, either with o	r without a nas been given.
lota para el solicitante: NO C NFORMADO SOBRE LOS REQ Puede ejecutar de manera razor	UISITOS DEL EMPLEO QUE	SOLICITA.	
e adjunta una descripción de las			□ SI □ NO
eferences/Referencias			
1. (b) (6)			
<u>2.</u>			
3.			
Lyondellb Asell	Polymens L+ Pol	ete Ty	Phone #/Número de Teléfono

# Applicant's Statement/Declaración del Empleado

I certify that answers given herein are true and complete. Certifico que las respuestas dadas en la presente son completas y verdaderas,

I authorize investigation of all statements contained in this application for employment as may be necessary in arriving at an employment decision.

This application for employment shall be considered active for a period of time not to exceed 45 days. Any applicant wishing to be considered for employment beyond this time period should inquire as to whether or not applications are being accepted at that time.

I hereby understand and acknowledge that, unless otherwise defined by applicable law, any employment relationship with this organization is of an "at will" nature, which means that the Employee may resign at any time and the Employer may discharge Employee at any time with or without cause. It is further understood that this "at will" employment relationship may not be changed by any written document or by conduct unless such change is specifically acknowledged in writing by an authorized executive of this organization.

In the event of employment, I understand that false or misleading information given in my application or interview(s) may result in discharge. I understand, also, that I am required to abide by all rules and regulations of the employer.

Autorizo la investigación de todas las declaraciones que aparecen en esta solicitud de empleo que sea necesaria para tomar una decisión sobre el puesto de trabajo que solicito.

Esta solicitud de empleo se considerará activa durante un período que no excederá los 45 días. Los solicitantes que deseen que se les considere para puestos de trabajo después de este período de tiempo, deberán preguntar si se aceptan o no solicitudes en ese momento.

Por la presente entiendo y acepto que, a menos que lo definan de otra manera las leyes aplicables, todas las relaciones de trabajo con esta organización serán de tipo " a voluntad ", lo que significa que el Empleado podrá renunciar en cualquier momento y que el Empleador podrá despedir al Empleado en cualquier momento, con o sin causa. Además, se entiende que la relación de trabajo " a voluntad " no se podrá cambiar mediante ningún documento escrito ni por ninguna conducta, a menos que un ejecutivo autorizado de esta organización haya aceptado dicho cambio por escrito.

En caso que se me contrate, entiendo que toda información falsa o engañosa que haya dado en mi solicitud o en mi(s) entrevista(s) puede resultar en mi despido. Entiendo, además, que deberé cumplir con todas las regulaciones y reglamentos de mi empleador.

Signature of Applicant / Firma del Solicitante

Arrange Interview/Fijar Fecha o	le Entrevista	a 🗌 Yes/Si 🗌 No
Remarks/Comentarios		
Employed / Empleado	Sí 🗆 No	INTERVIEWER DATE  Date of Employment/Fecha de Empleo
Job Title/Título del Empleo		Hourly Rate/Salary/Pago por Hora/Sueldo
partment/Departamento		
By/Par _		ND TITLE/NOMBRE Y TÎTULO DATE/FECHA
TTO (11)0T100VT0		

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Rev. 9/06

#### Form W-4 (2008)

Purpose. Complete Form W-4 so that your employer can withhold the correct lederal income tax from your pay. Consider completing a new Form W-4 each year and when your personal or financial situation changes.

Exemption from withholding. If you are exempt, complete only lines 1, 2, 3, 4, and 7 and sign the form to validate it. Your exemption for 2008 expires February 16, 2009. See Pub. 505, Tax Withholding and Estimated Tax.

Note. You cannot claim exemption from withholding if (a) your income exceeds \$900 and includes more than \$300 of unearned income (for example, interest and dividends) and (b) another person can claim you as a dependent on their tax return.

Basic instructions. If you are not exempt. complete the Personal Allowances Worksheet below. The worksheets on page 2 adjust your withholding allowances based on

adjustments to income, or two-earmer/multiple job situations. Complete all worksheets that apply. However, you may claim fewer (or zero) allowances.

Head of household. Generally, you may claim head of household filing status on your tax return only if you are unmarried and pay more than 50% of the costs of keeping up a home for yourself and your dependent(s) or other qualifying individuals. See Pub. 501, Exemptions, Standard Deduction, and Filing information, for information.

Tax credits. You can take projected tax credits into account in figuring your allowable number of withholding allowances. Credits for child or dependent care expenses and the child tax credit may be claimed using the Personal Allowances Worksheet below. See Pub. 919, How Do I Adjust My Tax Withholding, for information on converting your other credits into withholding allowances.

Nonwage income. If you have a large amount of nonwage income, such as interest or

payments using Form 1040-ES, Estimated Tax for Individuals. Otherwise, you may owe additional tax. If you have pension or annuity income, see Pub. 919 to find out if you should adjust your withholding on Form W-4 or W-4P. Two earners or multiple jobs. If you have a working spouse or more than one job, figure the total number of allowances you are entitled to claim on all jobs using worksheets from only one Form W-4. Your withholding usually will be most accurate when all allowances are claimed on the Form W-4 for the highest paying job and zero allowances are claimed on the others. See Pub. 919 for details.

Nonresident alien. If you are a nonresident alien, see the instructions for Form 8233 before completing this Form W-4.

Check your withholding. After your Form W-4 takes effect, use Pub. 919 to see how the dollar amount you are having withheld compares to your projected total tax for 2008. See Pub. 919, especially if your earnings exceed \$130,000 (Single) or \$180,000

iternized deduc		per making estimated tax (Married).
	Personal Allowances W	Vorksheet (Keep for your records.)
A Enter "1" fo	or yourself if no one else can claim you as a de	ependent,
	You are single and have only one job; o	or ) 1
3 Enter "1" if	You are married, have only one job, and	d your spouse does not work; or
	<ul> <li>Your wages from a second job or your spo</li> </ul>	ouse's wages (or the total of both) are \$1,500 or less.
Enter "1" fo	or your <b>spouse.</b> But, you may choose to enter '	"-n-" if you are married and have either a working spouse or
more than	one job. (Entering "-0-" may help you avoid hav	ring too little tax withheld.)
Enter numb	per of dependents (other than your spouse or y	ourself) you will claim on your tax return
Enter "1" if	you will file as head of household on your tax	return (see conditions under Head of household above) . E
Enter "1" if	you have at least \$1,500 of child or dependen	nt care expenses for which you plan to claim a credit F
(Note. Do r	not include child support payments. See Pub. 5	603, Child and Dependent Care Expenses, for details.)
Child Tax	Credit (including additional child tax credit). See	e Pub. 972, Child Tax Credit, for more information.
• If your to	otal income will be less than \$58,000 (\$86,000 if	married), enter "2" for each eligible child.
child plus	s "1" additional if you have 4 or more eligible c	0 (\$86,000 and \$119,000 if married), enter "1" for each eligible
Add lines A t	hrough G and enter total here. (Note, This may be differ	rent from the number of exemptions you claim on your tax return.)
For accurac	y, f • If you plan to itemize or claim adjustme	ents to income and want to reduce your withholding, see the Deductions
complete a	and Adjustments Worksheet on page	2.
worksheets that apply.	If you have more than one job or are married:	and you and your spouse both work and the combined earnings from all jobs exceed
час арріу.	If neither of the above situations applies	rners/Multiple Jobs Worksheet on page 2 to avoid having too little tax withheld. s, stop here and enter the number from line H on line 5 of Form W-4 below
partment of the Tr ernal Revenue Ser	vice   Subject to review by the IRS. Your emplo	ortain number of allowances or exemption from withholding is over may be required to send a copy of this form to the IRS.
Type or pri	nt your first name and middle initial. Last name	2 Your social security number (b) (6)
b) (6)	ural route)	
5) (5)	•	Single Married Married, but withhold at higher Single rate.  Mote, If married, but legally separated, or spouse is a nonresident allen, check the "Single" but
Oity or town	n, state, and ZIP code	
Beaumo	NH TR. 77705	4 If your last name differs from that shown on your social security ca check here. You must call 1-800-772-1213 for a replacement card.
		above or from the applicable worksheet on page 2) 5
6 Additiona	il amount, if any, you want withheld from each	paycheck 6 \$
7 I claim ex	semption from withholding for 2008, and I and the	paycheck
• Last ve	ar I had a right to a refund of all federal income	y that I meet both of the following conditions for exemption. e tax withheld because I had no tax liability and
• This ye	and the state of all redelat the office	e tax withheld because I had <b>no</b> tax liability <b>and</b> 1
If you me	ar I expect a refund of all federal income tax w	withhold because I award to have an tou Roblike
nder populties of	ar i expect a reigno of an legeral income fax m	withheld because Leynact to have so tay liability
noei herrannez ni	tet both conditions, write "Exempt" here  f perjury, I declare that I have examined this codificate as	withheld because I expect to have no tax liability.
	tet both conditions, write "Exempt" here .  If perjury, I declare that I have examined this cortificate ar gnature	withheld because Leypect to have so tay liability
orm is not valid	test both conditions, write "Exempt" here .  If perjury, I declare that I have examined this certificate are planture	withheld because I expect to have no tax liability.  7
orm is not valid nless you sign i	teet both conditions, write "Exempt" here . f perjury, I declare that I have examined this cortificate arguments.	withheld because I expect to have no tax liability.  7
orm is not valid nless you sign i 8 Employer's	test both conditions, write "Exempt" here .  If perjury, I declare that I have examined this certificate are planture	only if sending to the IRS.)  Pave no tax liability.  7

Cat. No. 10220Q

iorm \	W-4 (2008)		Page &
	Deductions and Adjustments Worksheet		
Note 1	e. Use this worksheet only if you plan to itemize deductions, claim certain credits, or claim adjustments to income Enter an estimate of your 2008 itemized deductions. These include qualifying home mortgage interest, charitable contributions, state and local taxes, medical expenses in excess of 7.5% of your income, and miscellaneous deductions. (For 2008, you may have to reduce your itemized deductions if your income is over \$159,950 (\$79,975 if married filing separately). See Worksheet 2 in Pub. 919 for details.)	on yo	ur 2008 tax return.
2	Enter:   \$10,900 if married filing jointly or qualifying widow(er)  \$ 8,000 if head of household  \$ 5,450 if single or married filing separately	2	\$
3	Subtract line 2 from line 1. If zero or less, enter "-0-"	3	<del>*</del>
4	Enter an estimate of your 2008 adjustments to income, including alimony, deductible IRA contributions, and student loan interest	4	<u>*</u>
5	Add lines 3 and 4 and enter the total. (Include any amount for credits from Worksheet 8 in Pub. 919)	5	\$
6	Enter an estimate of your 2008 nonwage income (such as dividends or interest)	6	\$
7	Subtract line 6 from line 5. If zero or less, enter "-0-"	7	\$
8	Divide the amount on line 7 by \$3,500 and enter the result here. Drop any fraction	8	
_		9	
9	Enter the number from the Personal Allowances Worksheet, line H, page 1		
10	Add lines 8 and 9 and enter the total here. If you plan to use the Two-Earners/Multiple Jobs Worksheet, also enter this total on line 1 below. Otherwise, stop here and enter this total on Form W-4, line 5, page 1	10	
	Two-Earners/Multiple Jobs Worksheet (See Two earners or multiple jobs on	page	11.)
Not	te. Use this worksheet only if the instructions under line H on page 1 direct you here.		

	Two-Earners/Multiple Jobs Worksheet (See Two earners or multiple jobs on p	age	1.)
Not	te. Use this worksheet only if the instructions under line H on page 1 direct you here.  Enter the number from line H, page 1 (or from line 10 above if you used the Deductions and Adjustments Worksheet)  Find the number in Table 1 below that applies to the LOWEST paying job and enter it here. However, if	1	
	you are married filling jointly and wages from the highest paying job are \$50,000 or less, do not enter more than "3."	2	
3	If line 1 is more than or equal to line 2, subtract line 2 from line 1. Enter the result here (if zero, enter "-0-") and on Form W-4, line 5, page 1. Do not use the rest of this worksheet	3	the additional
No	te. If line 1 is less than line 2, enter "-0-" on Form W-4, line 5, page 1. Complete lines 4-9 below to calculate withholding amount necessary to avoid a year-end tax bill.	njiate	the additional
4	Enter the number from line 2 of this worksheet		
5	Enter the number from line 1 of this worksheet		
6	Subtract line 5 from line 4	6	<u> </u>
7	Find the amount in Table 2 below that applies to the HIGHEST paying job and enter it here	7	¢ .
8	Multiply line 7 by line 6 and enter the result here. This is the additional annual withholding needed	8	Φ
9 Divide line 8 by the number of pay periods remaining in 2008. For example, divide by 26 if you are paid every two weeks and you complete this form in December 2007. Enter the result here and on Form W-4, line 6, page 1. This is the additional amount to be withheld from each paycheck		9	\$
	Table 1 Table 2		

<b>{</b>	l ab	le 1			lat	ole 2		
Married Filing	Jointly	All Others		Married Filing	Jointly	All Others		
If wages from LOWEST paying job are—	Enter on line 2 above	If wages from LOWEST paying job are-	Enter on line 2 above	If wages from HIGHEST paying job are—	Enter on line 7 above	If wages from HIGHEST paying job are—	Enter on line 7 above	
\$0 - \$4,500 4,501 - 10,000 10,001 - 18,000 18,001 - 22,000 22,001 - 27,000 27,001 - 33,000 33,001 - 40,000 40,001 - 50,000 50,001 - 55,000 55,001 - 60,000 60,001 - 65,000 65,001 - 75,000 75,001 - 100,000 100,001 - 110,000 110,001 - 120,000 120,001 and over	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	\$0 - \$6,500 6,501 - 12,000 12,001 - 20,000 20,001 - 35,000 35,001 - 35,000 50,001 - 65,000 65,001 - 80,000 95,001 - 120,000 120,001 and over	0 1 2 3 4 5 6 7 8 9	\$0 - \$65,000 65,001 - 120,000 120,001 - 180,000 180,001 - 310,000 310,001 and over	\$530 880 980 1,160 1,230	\$0 - \$35,000 35,001 - 80,000 80,001 - 150,000 150,001 - 340,000 340,001 and over	\$530 880 980 1,160 1,230	

Privacy Act and Paperwork Reduction Act Notice. We ask for the information on this form to carry out the Internal Revenue laws of the United States. The Internal Revenue Code requires this information under sections 3402(f)(2)(A) and 6109 and their regulations. Failure to provide a properly completed form will result in your being treated as a single person who claims no withholding allowances; providing fraudulent information may also subject you to penalties. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation, to cities, states, and the District of Columbia for use in administering their tax laws, and using it in the National Directory of New Hires. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by Code section 6103.

The average time and expenses required to complete and file this form will vary depending on individual circumstances. For estimated averages, see the instructions for your income tax return.

If you have suggestions for making this form simpler, we would be happy to hear from you. See the instructions for your income tax return.

To:

Gina Williamson

Fax:

713-634-5201

Re:

Release form

From:

Anissa Wright

(CES Environmental)

**Phone:** 

713-676-1460

Fax:

713-676-1676

Date:

11/20/08

**Notes:** 

**Anthony Savoy** 

### Authorization for Release of Records

In accordance with the provisions of the Fair Credit Reporting Act (Public Law 91-508), as amended by the Consumer Credit Reporting Act of 1996 (Title II, Subtitle D, Chapter I, of Public Law 104-208), you are being informed that a consumer report may be obtained on you for employment

ourposes.	·
In addition, may also request additional reports for the purpose Regulations.	es of investigation as required by Section 391.23 of the Federal Motor Carrier Safety
My signature below indicates that you are authorized to provide furnishing such information.	such reports and are released from any and all liability which may result from
I acknowledge the receipt of the above disclosure and authoriz authorization is ongoing in the event such a report is needed in	
Martin S	11-19-08
(Applicant's Signature)	11-19-08 (Date)
In accordance with the provisions of the Fair Credit Reporting Aused for "permission purposes" as defined in the Act.	Act (Public Law 91-508), I hereby certify that the information requested below will be
Furthermore, if the applicant named below is denied employme accordance with the Act.	ont hased on the information received, I will identify the source of the report in
ACI	CES Environmental Services, Inc
(Signature of Requestor)	(Name of Company)
Anison WealtHR	4904 Griggs Road
Anissa Weight, HR	(Number & Street)
4.0.00	11 L T. 11702
11-19-08	Houston, TX 17021
(Date)	(City, State & Zip Code)
Name of Applicant: SAVOY, Anthony R	
//	
Address: (Number (b) (6) & Street)	City: Beaupont State & Zip: 1X. 77705
Former Address:	City: State
(Number & Street)	& Zip:

SSN(b) (6)	License (b) (6) Number:	State:	DOB: (b) (6)
------------	-------------------------	--------	--------------

# DRUG AND ALCOHOL TEST CONSENT

I understand that as a condition of employment, I must voluntarily consent to and satisfactorily complete urine screening tests to determine the presence of certain substances and/or a blood alcohol test to determine the presence of alcohol.

I further understand that I must voluntarily consent to unannounced searches and inspections of myself and my clothing and any locker, desks, clothing, Company-paid lodging, or vehicle assigned to me for the purpose of enforcing this policy.

As a candidate for employment, I understand that the presence of one or more of such drugs will disqualify me from further consideration for employment.

As an incumbent employee, I understand that the presence of one or more such drugs/alcohol may be cause for disciplinary action, up to and including termination of my employment.

I certify that I have read this form and the CES Substance Abuse policy or they have been read to me, and I understand their contents. I agree to the release of information obtained through medical inquiries or substance screen tests by the medical examiner(s) to CES and all related entities or its representatives on "need to know" basis.

I also hereby authorize the Company to conduct through its designated medical examiner(s), a substance screen test(s) and I release the clinic/physician and related entities, their directors, employees and agents from all legal responsibility arising out of the information obtained through the medical inquiries or screening test

Applicant/Employee Witness Date 11-19-08

Date 11/19/08

# CES Environmental Services, Inc.

Name:	Anthony Tony "	DAVOY	
	36 × 30 2 x L	Jeans	or Slacks Length's Width
Signature: Date:	Anthony S- 11-19-08		

### New Hire Uniform and Safety Shoe Agreement

As a new employee of CES Environmental Services, I agree to pay the uniform set up fee of \$27.30. If I do not complete 90 days of employment I agree to allow CES Environmental Services to payroll deduct \$27.30 plus the amount of any lost uniforms and \$100.00 for safety shoes furnished by CES Environmental Services, Inc.

Employee Signature

//-/9-08 Date

CES Environmental Services, Inc.
Effective Date:
ACKNOWLEDGMENT SAFETY POLICIES AND PROCEDURES MANUAL
By my signature below, I (Please Print) Anthony SAVOI) hereby acknowledge that I have read (or it has been read to me). I have access to, and I understand what is expected of me as an employee of CES Environmental Services.
I agree to cooperate and abide by this policy and understand that any failure to do so on my part is grounds for termination.
MATTURE 11-19-08  EMPLOYEE SIGNATURE  DATE
SIGNATURE OF SUPER VISOR OR WITNESS DATE

#### **CELL PHONE POLICY**

- 1. The cell phone you have been issued is for company business only and is property of CES. However, **within reason**, employees can use the business phone to make and receive personal calls. All employees are issued 500 minutes. Any additional costs associated with personal use are the responsibility of the employee.
  - O Downloading music, pictures and video games are not permitted. These downloads range from \$2.50 to \$5.99 each.
  - o The company plan allows for 300 text messages per month (incoming and outgoing). Any messages over this will be the responsibility of the employee. Additional text messages are \$0.10 each (incoming and outgoing).
  - o **500** peak minutes are allotted for general employees, **1500** minutes for Mid-level Managers and **unlimited** for Sales, Customer Service, and Upper Management. \$0.20 per minute will be charged for minutes over the allotted amount. *Unlimited nights and weekends are issued for each phone.*
- 2. The phone issued is **YOUR** responsibility. If the phone is lost or stolen, CES will charge you a \$50.00 insurance deductible.
- 3. If your cell phone is damaged due to work related activities, CES will replace your phone at no cost.
- 4. CES will deduct any costs associated with the cell phones from the employees next pay check following CES receiving the phone bill. **NO EXCEPTIONS!**
- 5. If you have any issues with your phone, please bring them to Jeff's attention.

Employee Signature Date

Printed Name

# Employee Confidentiality And Assignment Agreement For Salary Employees

I understand that CES Environmental Services Inc. ("CES") has developed and used and will be developing and using Confidential Information in connection with its business. "Confidential Information" includes, but is not limited to, information relating to its environmental waste disposal services and /or products business such as customer lists, supplier lists, cost structure, pricing policies, operational methods, technical processes and other business affairs and methods, plans for future developments and other information which is not readily available to the public. This information was developed and will be developed by CES at great expense and constitutes trade secrets of CES. To safeguard this Confidential Information, CES has instituted policies and procedures to protect such information.

In connection with my employment by CES, I will come into contact with such Confidential Information.

I understand that the Confidential Information is vital to the success of CES's business and, in consideration of my employment by CES and the consideration to be paid to me for my services, I state the following:

- 1. I agree that during and after my term of engagement with CES:
  - (a) I shall keep secret all Confidential Information and not reveal or disclose it to anyone outside of CES, except with CES's prior written consent;
  - (b) I shall not make use of any of such Confidential Information for my own purposes or the benefit of anyone other than CES; and
  - (c) I shall deliver promptly to CES, upon the termination of my engagement and at any time CES may so request, all software, data, memoranda, notes, records and other documents (and all copies thereof) constituting or relating to such Confidential Information which I may then possess.
- 2. All work which I create in connection with my engagement shall be considered to be "works made for hire" under the U.S. Copyright Act, 17 U.S.C. Sections 101 et seq. In the event a work is not construed to be a work made for hire, I assign, and will assign to CES all my rights and interests in any developments, design, inventions, improvements, trade secrets, trademarks, copyrightable subject matter or proprietary information which I have made or conceived, or may make or conceive, either solely or jointly with others and either on or off CES's premises, (a) while providing services to CES, (b) with the use of the time, materials or facilities of CES, (c) relating to any product, service or activity of CES of which I have knowledge or (d) suggested by or resulting from any work performed by me for CES (the "Developments"). I agree that I have no proprietary interest in any Developments, including any patent, copyright, trademark and trade secret rights.

Any and all programs, inventions and other works of authorship developed by me while performing services for CES are created for and owned exclusively by CES. I agree that I shall sign any papers necessary for patents, copyrights or trademarks to conform and protect the interest of CES, in the Developments and that I shall not register, file or obtain any patent, copyright or trademark covering any of Developments in my own name and I further agree to provide necessary assistance to protect, enforce or perfect CES's rights and interests in such patents, copyrights and trademarks.

3. I understand that this Agreement shall be governed by and construed in accordance with the laws of the State of Texas, without regards to its conflicts of laws rules.

AGREED TO AND ACCEPTED:

Employee's Name: ANHONY SAVOY

Employee's Signature: Anthony SAVOY

Date: 11-19-08

ces12.sec/010804

Employee Confidentiality
And
Assignment Agreement
For Hourly Employees

I understand that CES Environmental Services Inc. ("CES") has developed and used and will be developing and using Confidential Information in connection with its business. "Confidential Information" includes, but is not limited to, information relating to its environmental waste disposal services and /or products business such as customer lists, supplier lists, cost structure, pricing policies, operational methods, technical processes and other business affairs and methods, plans for future developments and other information which is not readily available to the public. This information was developed and will be developed by CES at great expense and constitutes trade secrets of CES. To safeguard this Confidential Information, CES has instituted policies and procedures to protect such information.

In connection with my employment by CES, I will come into contact with such Confidential Information.

I understand that the Confidential Information is vital to the success of CES's business and, in consideration of my employment by CES and the consideration to be paid to me for my services, I state the following:

- 1. I agree that during and after my term of engagement with CES:
  - (a) I shall keep secret all Confidential Information and not reveal or disclose it to anyone outside of CES, except with CES's prior written consent;
  - (b) I shall not make use of any of such Confidential Information for my own purposes or the benefit of anyone other than CES; and
  - (c) I shall deliver promptly to CES, upon the termination of my engagement and at any time CES may so request, all software, data, memoranda, notes, records and other documents (and all copies thereof) constituting or relating to such Confidential Information which I may then possess.
- 2. I understand that this Agreement shall be governed by and construed in accordance with the laws of the State of Texas, without regards to its conflicts of laws rules.

AGREED TO AND ACCEPTED:	
Employee's Name: Anthony	SAVOY
Employee's Signature: Anthony	5
Date: 11-19-08	, 200

ces12.sec/010804

# Instructions Please read all instructions carefully before completing this form.

Anti-Discrimination Notice. It is illegal to discriminate against any individual (other than an alien not authorized to work in the U.S.) in hiring, discharging, or recruiting or referring for a fee because of that individual's national origin or citizenship status. It is illegal to discriminate against work eligible individuals. Employers CANNOT specify which document(s) they will accept from an employee. The refusal to hire an individual because the documents presented have a future expiration date may also constitute illegal discrimination.

#### What Is the Purpose of This Form?

The purpose of this form is to document that each new employee (both citizen and non-citizen) hired after November 6, 1986 is authorized to work in the United States.

#### When Should the Form I-9 Be Used?

All employees, citizens and noncitizens, hired after November 6, 1986 and working in the United States must complete a Form 1-9.

#### Filling Out the Form I-9

Section 1, Employee: This part of the form must be completed at the time of hire, which is the actual beginning of employment. Providing the Social Security number is voluntary, except for employees hired by employers participating in the USCIS Electronic Employment Eligibility Verification Program (E-Verify). The employer is responsible for ensuring that Section 1 is timely and properly completed.

Preparer/Translator Certification. The Preparer/Translator Certification must be completed if Section 1 is prepared by a person other than the employee. A preparer/translator may be used only when the employee is unable to complete Section 1 on his/her own. However, the employee must still sign Section 1 personally.

Section 2, Employer: For the purpose of completing this form, the term "employer" means all employers including those recruiters and referrers for a fee who are agricultural associations, agricultural employers or farm labor contractors. Employers must complete Section 2 by examining evidence of identity and employment eligibility within three (3) business days of the date employment begins. If employees are authorized to work, but are unable to present the required

document(s) within three business days, they must present a receipt for the application of the document(s) within three business days and the actual document(s) within ninety (90) days. However, if employers hire individuals for a duration of less than three business days, Section 2 must be completed at the time employment begins. Employers must record:

- 1. Document title;
- 2. Issuing authority;
- 3. Document number;
- 4. Expiration date, if any; and
- 5. The date employment begins.

Employers must sign and date the certification. Employees must present original documents. Employers may, but are not required to, photocopy the document(s) presented. These photocopies may only be used for the verification process and must be retained with the Form I-9. However, employers are still responsible for completing and retaining the Form I-9.

Section 3, Updating and Reverification: Employers must complete Section 3 when updating and/or reverifying the Form I-9. Employers must reverify employment eligibility of their employees on or before the expiration date recorded in Section I. Employers CANNOT specify which document(s) they will accept from an employee.

- A. If an employee's name has changed at the time this form is being updated/reverified, complete Block A.
- R. If an employee is rehired within three (3) years of the date this form was originally completed and the employee is still eligible to be employed on the same basis as previously indicated on this form (updating), complete Block B and the signature block.
- C. If an employee is rehired within three (3) years of the date this form was originally completed and the employee's work authorization has expired or if a current employee's work authorization is about to expire (reverification), complete Block B and:
  - 1. Examine any document that reflects that the employee is authorized to work in the U.S. (see List A or C);
  - 2. Record the document title, document number and expiration date (if any) in Block C, and
  - 3. Complete the signature block.

Form I-9 (Rev. 06/05/07) N

#### What Is the Filing Fee?

There is no associated filing fee for completing the Form I-9. This form is not filed with USCIS or any government agency. The Form I-9 must be retained by the employer and made available for inspection by U.S. Government officials as specified in the Privacy Act Notice below.

#### **USCIS Forms and Information**

To order USCIS forms, call our toll-free number at 1-800-870-3676. Individuals can also get USCIS forms and information on immigration laws, regulations and procedures by telephoning our National Customer Service Center at 1-800-375-5283 or visiting our internet website at www.uscis.gov.

#### Photocopying and Retaining the Form I-9

A blank Form I-9 may be reproduced, provided both sides are copied. The Instructions must be available to all employees completing this form. Employers must retain completed Forms I-9 for three (3) years after the date of hire or one (1) year after the date employment ends, whichever is later.

The Form I-9 may be signed and retained electronically, as authorized in Department of Homeland Security regulations at 8 CFR § 274a.2.

#### **Privacy Act Notice**

The authority for collecting this information is the Immigration Reform and Control Act of 1986, Pub. L. 99-603 (8 USC 1324a).

This information is for employers to verify the eligibility of individuals for employment to preclude the unlawful hiring, or recruiting or referring for a fee, of aliens who are not authorized to work in the United States.

This information will be used by employers as a record of their basis for determining eligibility of an employee to work in the United States. The form will be kept by the employer and made available for inspection by officials of U.S. Immigration and Customs Enforcement, Department of Labor and Office of Special Counsel for Immigration Related Unfair Employment Practices.

Submission of the information required in this form is voluntary. However, an individual may not begin employment unless this form is completed, since employers are subject to civil or criminal penalties if they do not comply with the Immigration Reform and Control Act of 1986.

#### Paperwork Reduction Act

We try to create forms and instructions that are accurate, can be easily understood and which impose the least possible burden on you to provide us with information. Often this is difficult because some immigration laws are very complex. Accordingly, the reporting burden for this collection of information is computed as follows: 1) learning about this form, and completing the form, 9 minutes; 2) assembling and filing (recordkeeping) the form, 3 minutes, for an average of 12 minutes per response. If you have comments regarding the accuracy of this burden estimate, or suggestions for making this form simpler, you can write to: U.S. Citizenship and Immigration Services, Regulatory Management Division. 111 Massachusetts Avenue, N.W., 3rd Floor, Suite 3008. Washington, DC 20529. OMB No. 1615-0047.

## Texas Star Network_{SM}

# Information, Instructions and your Rights and Obligations

## Dear Employee:

Your employer has chosen Texas Star Network_{SM} to manage the health care and treatment you may receive if you are injured at work. Texas Star Network_{SM} is a certified workers' compensation health care network. The state of Texas has approved this network to provide care for work related injuries. This program includes a network of health care providers who are trained in treating work related injuries. They are also trained in getting people back to work safely. The current Texas Star Network_{SM} service areas are shown on the enclosed map.

If you are injured at work, tell your supervisor or employer immediately. The enclosed information will help you to seek care for your injury. Also, your employer will help with any questions about how to get treatment through *Texas Star Networksm*. You may also contact Texas Mutual Insurance Company for any questions about your care and treatment for a work related injury. Texas Mutual and your employer have formed a team to provide timely health care for injured workers. The goal is to return you to work as soon as it is safe to do so.

#### Your Rights and Obligations...

#### Choosing a Treating Doctor

If you are hurt at work and you live in the network service area, you must choose a treating doctor from the *Texas Star Networksm* provider list. This is required for you to receive coverage of the costs for the care of your work related injury. A provider listing is available through our website at <a href="https://www.texasmutual.com">www.texasmutual.com</a>. It is updated at least every three months. It identifies providers who are taking new patients.

You also have the option to choose your current health maintenance organization (HMO) primary care physician as the treating doctor for your workers' compensation claim. In order for your HMO doctor to be approved as your treating doctor, he/she must agree to the terms of the network contract, and to agree to abide by applicable laws and regulations. If your HMO doctor is not approved, then you must see a network treating doctor.

If you were injured before your insurer contracted with the network and you live in the service area, you must choose a network treating doctor. You may also request a doctor you chose as your HMO primary care doctor before you were hurt. You must do this upon receipt of this notice.

If your treating doctor leaves the network, we will tell you in writing. You will have the right to choose another treating doctor from the list of network doctors. If your doctor leaves the network

Employee Notice of Network Requirements - 03/06

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and you have a life threatening or acute condition for which a disruption of care would be harmful to you, your doctor may request that you treat with him or her for an extra 90 days.

If you believe you live outside of the service area, you may request a service area review by calling Texas Mutual Insurance Company. Within 7 days of receiving your request for review, we will tell you our decision. If you do not agree with our final decision you have the right to file a complaint with the Texas Department of Insurance. Your complaint must include your name, address, telephone number, a copy of the insurer's decision and any proof you sent to Texas Mutual Insurance Company for review. A complaint form is available on the department's web site at <a href="https://www.tdi.state.tx.us">www.tdi.state.tx.us</a>. You may also ask for a form by writing to the HMO Division, Mail Code 103-6A, Texas Department of Insurance, P. O. Box 149104, Austin, Texas 78714-9104.

While waiting for Texas Mutual Insurance Company to make a decision or the Texas Department of Insurance to review your complaint, you may choose to receive health care outside of the network. You may be required to pay for health care services received out of the network if it is finally decided that you do live in the network's service area.

#### **Changing Doctors**

If you become dissatisfied with your first choice of a treating doctor, you can select an alternate treating doctor from the list of network treating doctors in the service area where you live. Texas Star Network_{SM} will not deny a choice of an alternate treating doctor. Before you can change treating doctors a second time, you must get permission from Texas Star Network_{SM}.

#### Referrals

Health care services that you request will be made available on a timely basis as required by your medical condition. This includes referrals. Referrals will be made no more than 21 days after you make a request. You do not have to get a referral if you are in need of emergency care.

#### Payment for Health Care

Network doctors have agreed to look to Texas Mutual Insurance Company for payment for your health care. They will not look to you for payment. If you obtain health care from a doctor who is not in the network without prior approval from *Texas Star Networksm*, you may have to pay for the cost of that care. You may only access non-network health care providers and still be eligible for coverage of your medical costs if one of the following situations occurs.

- Emergency care is needed. You should go to the nearest hospital or emergency care facility.
- You do not live within a Texas Star Networks_M service area.
- Your treating doctor refers you to an out of network provider or facility. This
  referral must be approved by Texas Star NetworksM.
- You have chosen your HMO primary care doctor. Your doctor must agree to abide by the network contract and applicable laws.

Employee Notice of Network Requirements - 03/06

#### Complaints

You have the right to file a complaint with  $Texas\ Star\ Network_{SM}$ . You may do this if you are dissatisfied with any aspect of network operations. This includes a complaint about your network doctor. It may also be a general complaint about  $Texas\ Star\ Network_{SM}$ .

A complainant can notify the *Texas Star Network_{SM}* Grievance Coordinator of a complaint by phone or in writing via mail or fax. Complaints should be forwarded to:

Texas Star Network_{SM}
Attention: Grievance Coordinator
720 Cool Springs Boulevard, Suite 300
Franklin, TN 37067

Phone: (800) 873-0055 ext 4250

FAX: (615) 224-9129

E-mail: grievance_coordinator@concentra.com

A complaint must be filed with the network grievance coordinator no later than 90 days from the date the issue occurred.

Texas law does not permit Texas Star Network_{SM} to retaliate against you if you file a complaint against the network. Texas Star Network_{SM} also can not retaliate if you appeal the decision of the network. The law does not permit Texas Star Network_{SM} to retaliate against your treating doctor if he or she files a complaint against the network or appeals the decision of the network on your behalf. You have the right to file a complaint with the Texas Department of Insurance. The Texas Department of Insurance complaint form is available on the department's web site at www.tdi.state.tx.us or you may request a form by writing to:

HMO Division, Mail Code 103-6A, Texas Department of Insurance, P. O. Box 149104, Austin, Texas 78714-9104. What to do if you are injured while on the job ...

If you are injured while on the job tell your employer as soon as possible. A list of network treating doctors in your service area may be available from your employer. A complete list of network treating doctors is also available online at www.texasmutual.com. Or. you may contact us directly at the following address and/or toll-free telephone number:

Texas Star Network_{SM}
720 Cool Springs Boulevard
Suite 300
Franklin, TN 37067
(800) 873-0055

We will help you get an appointment with a network doctor.

In case of an emergency...

If you are hurt at work and it is a life threatening emergency, you should go to the nearest emergency room. If you are injured at work after normal business hours or while working outside your service area, you should go to the nearest care facility.

After you receive emergency care, you may need ongoing care. You will need to select a treating doctor from the network's provider list. This list is available online at <a href="https://www.texasmutual.com">www.texasmutual.com</a>. If you do not have internet access call (800) 381-8067 or contact your employer for a list. The doctor you choose will oversee the care you receive for your work related injury. Except for emergency care you must obtain all health care and specialist referrals through your treating doctor.

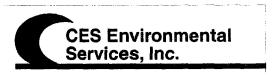
Emergency care does not need to be approved in advance. "Medical emergency" is defined in Texas laws. It is a medical condition that comes up suddenly. There are acute symptoms that are severe enough that a reasonable person would believe that you need immediate care or you would be harmed. That harm would include your health or bodily functions being in danger or a loss of function of any body organ or part.

#### Non-emergency care...

Report your injury to your employer as soon as you can. Select a treating doctor from the network's provider list. This list is available online at <a href="https://www.texasmutual.com">www.texasmutual.com</a>. If you do not have internet access, call (800) 381-8067 or contact your employer for a list.

Treatment prescribed by your doctor may need to be approved in advance. You or your doctor are required to request approval from Texas Mutual Insurance Company for a specific treatment or services before the treatment or service is provided. You may continue to need treatment after the approved treatment is provided. For example, you may need to stay more days in the hospital than what was first approved. If so, the added treatment must be approved in advance.

Employee Notice of Network Requirements - 03/06



#### **Universal Employee Mandates**

#### Purpose:

These mandates have been established in an effort to establish overall guidelines and principles under which each CES employee should work. These requirements will help precipitate a harmonious and friendly working environment. The mandates also promote honesty and integrity while helping to ensure overall employee reliability and accountability. Ultimately, we seek to provide the most superior service in the environmental and industrial service business!

#### General Applicability:

Every CES employee is subject to these requirements

#### The Mandates:

- Employees must respect and be considerate of fellow workers, customers, vendors, etc.
- Employees must not fight or vigorously confront other employees
- Employees must not complain (it will not be tolerated). If an employee has a legitimate concern or issue, he or she should approach his or her direct manager concerning the issue and provide the manager with at least one possible solution to the issue.
- Employees should not engage in verbal, non-verbal, or physical abuse of fellow employees. Verbal abuse is spoken or written communication that does not respect the basic humanity and dignity of fellow employees or is intended to intimidate or degrade the employee. Non-verbal abuse includes gestures or body language, directed at a fellow employee, which is commonly understood to be derogatory and/or insulting. Physical abuse includes items such as hitting, kicking, pushing, or otherwise initiating physical contact with the body of a fellow employee to either intimidate or cause harm to the fellow employee.
- Each employee must follow the chain of command specified in the CES **Organizational Structure** (see **Standard Operating Procedure** titled <u>Following the chain of Command</u>
- Employees must be punctual (i.e. employees should be a their designated work station, ready to work, at the designated time)
- Employees should have good attendance. Unexcused absences will not be tolerated.
- Employees who know they will be absent or late must notify their direct supervisor immediately upon confirmation of their situation (as defined in Employee Handbook)
- Alcohol, drugs, and firearms are not allowed on CES working property, customer's property, or vendor's property.
- Employees must perform their position responsibilities to the best of their ability
- Employees should do what must be done (as assigned), when it must be done (as designated), and with a positive and "can-do" attitude.
- Employees must not steal either property or time from the Company
- Employees must not lie on the job
- Employees must not engage in any illegal activities of any sort (on or off the clock)
- Employees will not discuss wages and salaries other than with their supervisors, through the Chain of Command. Wages and Salaries are individual issues and should be handled in confidence.
- Employees must follow all Company policies and procedures listed in the Company Safety Policies Manual, Standard Operating Procedures Manual, Employee Handbook, etc.

- Employees are responsible for all company property and equipment (either assigned or unassigned)
- Employees must not abuse Company property (all CES property should be used with care, the way it is designed to be used). Also concerning Company property, Employees must recognize and respect internal rights of use and ownership.
- Employees shall not inappropriately use company assets (e.g. use of company assets for personal gain, personal gratification). Company assets are to be used strictly for the benefit of the company unless specifically approved by the **President**.
- Confidential Information must be treated as proprietary and kept confidential. Confidential information includes, but is not limited to, the following: wages and salaries, client contacts and business relationships, company capabilities and direction, company financial information. Employees who become aware of such information must report the information to Upper Level Management immediately. Such information will be handled in the strictest of confidence by Upper Level Management. Failure to report such information will be considered collaboration of such activity.
- Racial or Sexual harassment of any sort is strictly prohibited: racial or sexual slurs or "jokes", sexually explicit "porn" magazines, sexually explicit activity on the computer/internet, fraternization (sexual or dating relationships between managers and subordinates in the same chain of command)

Received and understood by:	Date: 11-19-08
Witnessed by:	Date:

# PROPRIETARY and CONFIDENTIAL Property of CES Environmental Services, Inc.

**CES Company Policy** 

THINK USE GOOD JUDGMENT	CES Environmental Services, Inc.	YOUR ATTITUDE COUNTS
Date Issued: <u>07/31/2008</u>	DEPARTMENT(S):  -Transportation -Field Services	Revised Date: <u>00/00/0000</u>
Policy Number: <u>08-061</u>	Policy Title: Confidentiality Agreement of Company Business with Customers for Drivers and Field Services Personnel	Policy Description: This Policy covers CES Environmental Services, Inc. Confidentiality Agreement that Drivers and Field Services Personnel will not release Company Business Information to Customers and or anyone outside the Company.

The purpose of this CES Environmental Services, Inc. Policy is for CES Environmental Services, Inc. Drivers and Field Services Personnel to acknowledge that in the course of his/her Employment with CES Environmental Services, Inc. all Company Business Information will be kept confidential and will not be revealed and or discussed to any Customer(s) and or anyone outside the Company.

This includes but is not limited to the following:

- 1. Manifest
- 2. Job Information Profile

Note: If the CES Environmental Services, Inc. Employee has any questions contact the Logistics Supervisors.

All CES Environmental Services, Inc. Business Information is to be considered highly confidential and by the Employee signing this Policy he/she agrees to abide by this Policy.

Employee Name: Myhony SA409
Employee Signature: Salar

Date: <u>//-/9-08</u> Date: <u>//-/9-08</u>

#### CONFIDENTIALITY AND NON-COMPETE AGREEMENT

This Co	nfidentiality and	Non-Compet	te Agreem	ent (this	"Agreeme	nt"), is e	entered int	o by	and
between CES	Environmenta	l Services,	Inc., a	Texas	corporation	n (the	"Company	y"), ;	and
Harbours	Environmenta	_(the "Emplo	yee"). 7	The Com	ipany and	Employe	ee may so	ometir	nes
hereinafter be re	eferred to singula	rly as a "Party	or collec	ctively as	the "Partie	s."			

#### **RECITALS:**

WHEREAS, Employee is or will be an "at will" employee of the Company;

WHEREAS, Employee, in the course of his or her employment, will have access to certain confidential information and trade secrets relating to the operation, plans, products, and strategies of the Company;

WHEREAS, Employee recognizes the need for Employer to protect its interest in and to confidential information and trade secrets:

NOW, THEREFORE, for and in consideration of the Recitals, the continued at will employment of Employee by Employer, the mutual agreements specified herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each Party, the Company, and the Employee hereby agree as follows:

#### **AGREEMENTS:**

- 1. <u>Competition.</u> Employee agrees that until the termination of Employee's employment with the Company and thereafter to the extent specifically provided in this Agreement:
  - a. The Employee will not actively engage, directly or indirectly, in any other business except at the direction or approval of the Company.
  - b. The Employee will not engage, directly or indirectly, in any activity competitive with the business of the Company. This prohibition shall include the ownership, management, operation, or control of, or employment by, or participation in, or connection with the management, ownership, operation, or control of, in any manner, any business of the type and character engaged in by the Company. Notwithstanding the foregoing, the Employee may make or maintain an investment not to exceed five percent (5%) of the capital stock of any publicly traded company that competes with the Company.
- 2. Post Termination Covenant Not to Compete. The Employee recognizes that the Company has business goodwill and other legitimate business interests which must be protected in connection with and in addition to the Information (as hereinafter defined), and therefore, in exchange for access to the Information, the specialized training and instruction which the Company will provide, the Company's agreement to employ the Employee on the terms and conditions set forth herein and the promotion and advertisement by the Company of the Employee's skill, ability, and value in the Company's business, the Employee agrees that in the event the employment relationship between the Company and Employee is terminated by any cause or for any reason, then for a period of eighteen (18) months after the date employment is so terminated:

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- a. <u>Subject to customer limitation detailed in paragraph (b) of this section</u>, Employee will not in any capacity or relationship enter into, engage in, or be connected with any business or business operation or activity which is in <u>direct</u> competition, in whole or in part, with the Business of the Company (as defined hereinafter). For purposes of this Agreement, the "Business of the Company" shall be defined as the current business of the Company, including, but not limited to the following:
  - i. Transportation and disposal of Hazardous and Non-Hazardous Industrial waste
  - ii. Off-site disposal and/or cleanup of customer land, facilities, or equipment (field services)
  - iii. Tank wash services
  - iv. Management services for disposal and/or remarketing of products, co-products, and waste.
  - v. Recycling of products, co-products, and/or waste.
  - vi. Waste classification and consulting services.
- b. The Employee will not call upon any person that is a customer of the Company at the time of the termination of the Employee's employment, for the purpose of selling or attempting to sell to any such customer any services or products similar to those offered by the Company from time to time; and
- c. The Employee will not intentionally divert, solicit, or take away any customer, supplier, or employee of the Company, or the patronage of any customer or supplier of the Company, or otherwise interfere with or disturb the relationship existing between the Company and any of its respective customers, suppliers or employees, directly or indirectly.

It is mutually understood and agreed that if any of the provisions relating to the scope, time or territory in this Section 2 are more extensive than is enforceable under applicable laws or are broader than necessary to protect the good will and legitimate business interests of the Company, then the Parties agree that they will reduce the degree and extent of such provisions by whatever minimal amount is necessary to bring such provisions within the ambit of enforceability under applicable law.

The Parties acknowledge that the remedies at law for a breach or threatened breach by the Employee of the Employee's covenants contained in this Section 11 are inadequate, and they agree that the Company, in addition to any other remedies available to it for such breach or threatened breach, including the recovery of damages, shall be entitled, at its election, to temporary or permanent injunctive relief restraining the Employee from such conduct and to specific performance of said covenants. If a bond is required to be posted in order for the Company to secure an injunction, the Parties stipulate that a bond in the amount of \$1,000 would be sufficient in all circumstances to protect the rights of the Parties.

Business Opportunities. For as long as the Employee shall be employed by the Company and thereafter with respect to any business opportunities learned about during the time of the Employee's employment by the Company, the Employee agrees that with respect to any future business opportunity or other new and future business proposal which is offered to, or comes to the attention of, the Employee and which is in any way related to, or connected with, the Business of the Company, the Company shall have the right to take advantage of such business opportunity or other business proposal for its own benefit. The Employee agrees to promptly deliver notice to the Management in writing of the existence of such opportunity or proposal and

the Employee may take advantage of such opportunity only if the Management notifies the Employee in writing that the Management is not electing to exercise its right to take advantage of such opportunity.

- 4. Confidential Information. The Employee acknowledges that in the course of Employee's employment with the Company, Employee may receive certain trade secrets, know-how, lists of customers, employee records, strategic planning, product strategies, marketing strategies, financial information, and other confidential information and knowledge concerning the Business of the Company (hereinafter collectively referred to as "Information") which the Company The Employee understands that such Information is confidential and desires to protect. Employee agrees that Employee will not reveal such Information to anyone outside the Company. The Employee further agrees Employee will not use such Information in competing with the Company. Upon termination of Employee's employment hereunder, the Employee shall surrender to the Company all papers, documents, writings and other property produced by him or coming into Employee's possession by or through Employee's employment hereunder and relating to the information referred to in this Section 4, which are not general knowledge in the industry, and the Employee agrees that all such materials will at all times remain the property of the Company.
- 5. Specific Performance. The Employee acknowledges that a remedy at law for any breach or threatened breach of this Agreement will be inadequate and violations of the covenants by the Employee will result in immediate and irreparable damage to the Company and they agree that in the event of an actual or threatened breach of the provisions of this Agreement by the Employee, the Company, in addition to any other remedies available to it for such breach or threatened breach, including the recovery of damages, shall be entitled to temporary or permanent injunctive relief restraining the Employee from such conduct. If a bond is required to be posted in order for the Company to secure an injunction, the Parties stipulate that a bond in the amount of \$1,000 would be sufficient in all circumstances to protect the rights of the Parties.
- 6. "At Will" Employment Relationship. Neither this Agreement nor any term or provision of this Agreement shall be construed to alter the "at will" employment relationship between the Company and the Employee, and the Employee may be terminated at any time by the Company for any reason, with or without cause.
- "Works for Hire": All work which I create in connection with my engagement shall be considered to be "works made for hire" under the U.S. Copyright Act, 17 U.S.C. Sections 101 et seq. In the event a work is not construed to be a work made for hire, I assign, and will assign to CES all my rights and interests in any developments, design, inventions, improvements, trade secrets, trademarks, copyrightable subject matter or proprietary information which I have made or conceived, or may make or conceive, either solely or jointly with others and either on or off CES's premises, (a) while providing services to CES, (b) with the use of the time, materials or facilities of CES, (c) relating to any product, service or activity of CES of which I have knowledge or (d) suggested by or resulting from any work performed by me for CES (the "Developments"). I agree that I have no proprietary interest in any Developments, including any patent, copyright, trademark and trade secret rights. Any and all programs, inventions and other works of authorship developed by me while performing services for CES are created for and owned exclusively by CES. I agree that I shall sign any papers necessary for patents, copyrights or trademarks to conform and protect the interest of CES, in the Developments and that I shall

not register, file or obtain any patent, copyright or trademark covering any of Developments in my own name and I further agree to provide necessary assistance to protect, enforce or perfect CES's rights and interests in such patents, copyrights and trademarks.

- 8. Governing Law: This Agreement shall be construed and enforced in accordance with and governed by the laws of the State of Texas. Any litigation between or among the Parties with respect to the subject matter of this Agreement shall take place in the appropriate federal or state district courts located in Harris County, Texas, and each Party hereby irrevocably submits to the personal jurisdiction of such courts.
- 9. <u>Parole Evidence</u>. This Agreement constitutes the sole and complete agreement between the Parties hereto, and no verbal or other statements, inducements, or representations have been made to or relied upon by either Party, and no modification hereof shall be effective unless in writing signed and executed in the same manner as this Agreement.
- 10. <u>Waiver</u>. Any waiver to be enforceable must be in writing and executed by the Party against whom the waiver is sought to be enforced.
- 11. <u>Attorney's Fees</u>. If any litigation is instituted to enforce or interpret the provisions of this Agreement or the transactions described herein, the prevailing Party in such action shall be entitled to recover its reasonable attorneys' fees from the other Party hereto.

	IN WITNESS	WHEREOF,	the Parties	hereto	have	executed	this	Agreement	as of	the _	(	day
of	, 200											

#### **COMPANY**:

CES Environmental Services, Inc., a Texas corporation

By: Name: Title:			
EMPLO	OYEE:		
Name:	Anthony	SAVOY	

# Employee Confidentiality And Assignment Agreement For Salary Employees

I understand that CES Environmental Services Inc. ("CES") has developed and used and will be developing and using Confidential Information in connection with its business. "Confidential Information" includes, but is not limited to, information relating to its environmental waste disposal services and /or products business such as customer lists, supplier lists, cost structure, pricing policies, operational methods, technical processes and other business affairs and methods, plans for future developments and other information which is not readily available to the public. This information was developed and will be developed by CES at great expense and constitutes trade secrets of CES. To safeguard this Confidential Information, CES has instituted policies and procedures to protect such information.

In connection with my employment by CES, I will come into contact with such Confidential Information.

I understand that the Confidential Information is vital to the success of CES's business and, in consideration of my employment by CES and the consideration to be paid to me for my services, I state the following:

- 1. I agree that during and after my term of engagement with CES:
  - (a) I shall keep secret all Confidential Information and not reveal or disclose it to anyone outside of CES, except with CES's prior written consent;
  - (b) I shall not make use of any of such Confidential Information for my own purposes or the benefit of anyone other than CES; and
  - (c) I shall deliver promptly to CES, upon the termination of my engagement and at any time CES may so request, all software, data, memoranda, notes, records and other documents (and all copies thereof) constituting or relating to such Confidential Information which I may then possess.
- 2. All work which I create in connection with my engagement shall be considered to be "works made for hire" under the U.S. Copyright Act, 17 U.S.C. Sections 101 et seq. In the event a work is not construed to be a work made for hire, I assign, and will assign to CES all my rights and interests in any developments, design, inventions, improvements, trade secrets, trademarks, copyrightable subject matter or proprietary information which I have made or conceived, or may make or conceive, either solely or jointly with others and either on or off CES's premises, (a) while providing services to CES, (b) with the use of the time, materials or facilities of CES, (c) relating to any product, service or activity of CES of which I have knowledge or (d) suggested by or resulting from any work performed by me for CES (the "Developments"). I agree that I have no proprietary interest in any Developments, including any patent, copyright, trademark and trade secret rights.

Any and all programs, inventions and other works of authorship developed by me while performing services for CES are created for and owned exclusively by CES. I agree that I shall sign any papers necessary for patents, copyrights or trademarks to conform and protect the interest of CES, in the Developments and that I shall not register, file or obtain any patent, copyright or trademark covering any of Developments in my own name and I further agree to provide necessary assistance to protect, enforce or perfect CES's rights and interests in such patents, copyrights and trademarks.

3. I understand that this Agreement shall be governed by and construed in accordance with the laws of the State of Texas, without regards to its conflicts of laws rules.

AGREED TO AND ACCEPTED:

Employee's Name: HWHONNY

Employee's Signature: Inthony

Date: 11-19-08

, 200

ces12.sec/010804

Employee Confidentiality
And
Assignment Agreement
For Hourly Employees

I understand that CES Environmental Services Inc. ("CES") has developed and used and will be developing and using Confidential Information in connection with its business. "Confidential Information" includes, but is not limited to, information relating to its environmental waste disposal services and /or products business such as customer lists, supplier lists, cost structure, pricing policies, operational methods, technical processes and other business affairs and methods, plans for future developments and other information which is not readily available to the public. This information was developed and will be developed by CES at great expense and constitutes trade secrets of CES. To safeguard this Confidential Information, CES has instituted policies and procedures to protect such information.

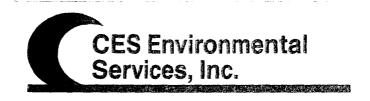
In connection with my employment by CES, I will come into contact with such Confidential Information.

I understand that the Confidential Information is vital to the success of CES's business and, in consideration of my employment by CES and the consideration to be paid to me for my services, I state the following:

- 1. I agree that during and after my term of engagement with CES:
  - (a) I shall keep secret all Confidential Information and not reveal or disclose it to anyone outside of CES, except with CES's prior written consent;
  - (b) I shall not make use of any of such Confidential Information for my own purposes or the benefit of anyone other than CES; and
  - (c) I shall deliver promptly to CES, upon the termination of my engagement and at any time CES may so request, all software, data, memoranda, notes, records and other documents (and all copies thereof) constituting or relating to such Confidential Information which I may then possess.
- 2. I understand that this Agreement shall be governed by and construed in accordance with the laws of the State of Texas, without regards to its conflicts of laws rules.

AGREED TO AND ACCEPTED:	
Employee's Name: ANHONI/	SAVOY
Employee's Signature:	5
Date: 11-19-2008	, 200

ces12.sec/010804



#### **Important Notice**

This plan is intended to comply with the provisions described in Section 404(c) of the Employee Retirement Income Security Act of 1974, as amended (ERISA). The regulations under ERISA Section 404(c) provide that if your employer gives you the opportunity to exercise control over assets in your individual account and choose from a broad range of investment alternatives, then the employer, who is a fiduciary, may be relieved of liability for any losses that result from your own investment instructions. You, in turn, are responsible for the investment performance of your plan account. To satisfy this requirement, the employer is required to provide you with, or give you the opportunity to obtain, sufficient information to make informed decisions with regard to investment alternatives under the plan.

You will receive a fund fact sheet and your plan sponsor can provide prospectuses for each fund offered in the plan. The fund fact sheets are enclosed in your enrollment book and describe the investment objective, performance and strategy for each fund. It also discusses the type and diversification of assets that make up the fund's investment portfolio. The prospectus discloses all pertinent information about a fund including information concerning the fees and expenses associated with the fund. You should review all material regarding your plan carefully before investing money in your plan. If you have any questions, please contact your plan sponsor.

I acknowledge that my employer intends to comply with the provisions in Section 404(c) of the Employee Retirement Income Security Act of 1974, as amended (ERISA).

I have been informed that Matt Bowman and Greg Bowman will assume the role of the fiduciary for the CES Environmental Services, INC. 401k and Profit Sharing Plan.

I have been given a copy of the Investment Policy Statement, Summary Plan Description, Summary of Material Modifications(4), descriptions of each investment option including all fees and expenses charged to participants under each option, and am aware that I may request a prospectus for each investment offered in the plan.

I have been instructed on how to select investments and how to change investment selections of my choice online or over the phone, and understand I will have access to regular account statements.

Signature

Drintad Nama

Date

# Employee's Safety Supply List

Date: 11-19-08
Employee's Name:
Please initial next to the safety supplies you have been
issued.
Hard Hat
Safety Glasses
Goggles
Ear Plugs
Respirator
Nomex Suit
Rain Suit
Rubber Boots Size 10
Safety Harness (
Rubber Gloves  Face Shield and Breaket
Façe Shield and Bracket
As an amployee of CES you are responsible for the safety
As an employee of CES you are responsible for the safety supplies you have been issued.
supplies you have occil issued.
Employee Signature / /
Employee Signature Inthony Source

# CONFIDENTIAL EMPLOYEE HISTORY

Port Arthur

9/25/08 Start date

		Employee		Employment Status			occui	ity Clearance
				☐ Full Time ☐ Temporary (Seasona		Part Time On Call	Level	Date Granted
Social Security No.	Date of Birth	Marital Status	Sex	Employment Date			1-9 Docume	ntation Completed
					☐ Yes	□ No	□ <b>Y</b> 6	es 🗌 No
Address		City		State	Zip		Telephone	
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Doctor		Telephone No.	<u> </u>		Ac	ldress		
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This file should be used in conjunction with the Medical Information File to maintain such information separately as required by the FMLA and ADA.

Employee Number

#### **OTHER INFORMATION**

SUBJECT	COMMENTS (DATE & SIGNATURE REQUIRED)	
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<u>;                                      </u>		
_		
Rev. 3/07 Reorder	© 1998. Amsterdam Printing®, Amsterdam, NY 12010 Call Toll Free 1-866-466-1438 Frorm #08340 (Plain), or #08342 (Imprinted) www.amsterdamprintingforms.com	. €





CHILD SUPPORT DIVISION

#### GREG ABBOTT

Attorney General

#BWNNGDD #0273 4559 668# CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON, TX 77021-3208

Date: October 08, 2008

Custodial Parent:

Non-Custodial Parent: SUZI CABRERA

Attorney General Case #: 0010146695

Cause #: B020319D

ATTN:

RE: SUZI ANN CABRERA

Dear Employer:

Enclosed please find an Order/Notice to Withhold Income for Child Support (Administrative Writ of Withholding).

You are required to begin withholding from your employee's disposable earnings no later than the first pay period following the date this document is received by you, and pay all amounts withheld on each regular pay day, according to the terms of the Order/Notice [Texas Family Code §158.202].

If the employee's obligation changes in the future, another Order/Notice for the new amount will be sent to you.

For questions you have regarding the Order/Notice or electronic payment options, please access the Employer Handbook online at http://www.oag.state.tx.us or contact us at 1-800-850-6442.

Sincerely, **WILLIAM BOYD CHILD SUPPORT UNIT 0505E** 2300 HWY 365 STE 500 P O BOX 1916 **NEDERLAND, TX 77627-1916** (409) 724-1547

**Enclosures** 

September 20057

000262

EPAHO043001337

□ NO		RATIVE WRIT OF WITHHOLDING R TO WITHHOLD INCOME FOR CHILD SUPPORT
Original N Amended	Termination Date: 10/8/2008	
State/Tribe/Territory Texa		
•		CT COURT ORANGE COUNTY
Non-Governmental entity Case Number (6) (6)		O. COURT GREWOND COUNTY
CES ENVIRONMENTAL SEEMPLOYER'S Withholder's 1		RE: (b) (6) Employee's/Obligor's Name (Last, First, MI)
4904 GRIGGS RD		(b) (6)
HOUSTON TX 77021-3208- Employer's/Withholder's		Employee's/Obligor's Social Security Number  (b) (6)
Emproyer 5 Withholder 5 1	radicos	Employee's/Obligor's Case Identifier
(b) (6)		Obligee's Name (Last, First, MI)
Employer/Withholder's Fe	deral EIN Number: if known	, , , , , , , , , , , , , , , , , , , ,
ORDER INFORMATION: Thi	is document is based on the	support or withholding order from TX
You are required by law to dedu	act these amounts from the e	employee's/obligor's income until further notice.
\$ (b) (6)	Per monthly	current child support
\$	Per monthly	past-due child support - Arrears 12 weeks or greater? X yes no
\$	Per monthly	current cash medical support
\$ _	Per monthly	past-due cash medical support
\$	Per	spousal support
\$ \$	Per Per	past-due spousal support other (specify)
for a total of \$ (b) (6)	Per monthly	to be forwarded to the payee below.
_		with the support order. If your pay cycle does not match the ordered payment cycle,
\$ per biw  REMITTANCE INFORMATIO employee's/obligor's principal p this Order/Notice was delivered amount, including your fee, cam employee's/obligor's aggregate  If the employee's/obligor's principallowable employer fees, follow ADDITIONAL INFORMATION Make check payable to (Payee a	place of employment is Texal to the employer. Send paying not exceed the lesser of the disposable weekly earnings. cipal place of employment is the laws and procedures of TO EMPLOYERS AND Cand Case Identifier):	at, provide the pay date/date of withholding and the case identifier. If the is, begin withholding no later than the first pay period following the date on which ment on the same day of the pay date/date of withholding. The total withhold applicable CCPA % or, for a Texas employee, the state limit of 50% of the so not Texas, for limitations on withholding, applicable time requirements, and any the employee's/obligor's principal place of employment (see #3 and #9,
OFFICE OF THE ATTORNEY AG Case # (b) (6) Cause # B020319D	GENERAL	F O BOX 659/91 SAN ANTONIO TX 78265-9791
If remitting payment by EFT/EE Bank routing number:	DI, call 1 (877) 474-4463 bef	Fore first submission. Use this FIPS code:  Bank account number:
If this is an Order/N		If this is a Notice of an Order to Withold:
Print Name: Alicia G. Key:		Print Name:
Title of Issuing Official: Deputy	Attorney General for Child	
alicia B. Ke	· · · · · · · · · · · · · · · · · · ·	
Signature and Date 10/08/2008		Signature and Date
X IV-D Agency Court		Attorney Individual Private Entity
Attorney with authority unde	r state law to issue order/no	· · · · · · · · · · · · · · · · · · ·
the income withholding order ur	nless, under a state's law, ar	ental entities must submit a Notice of an Order to Withhold and include a copy of a attorney in that state may issue an income withholding order. In that case, the de a copy of the state law authorizing the attorney to issue an income withholding

**☒** ORDER/NOTICE TO WITHHOLD INCOME FOR CHILD SUPPORT

IMPORTANT: The person completing this form is advised that the information on this form may be shared with the obligor. April 2007

OMB: 0970-0154 Form 3N001

MC: EL 0505E Central File Maintenance P.O. BOX 12048 AUSTIN, TX 78711-2048





GREG ABBOTT

Attorney General

#BWNNGDD #0273 4592 266# CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON, TX 77021-3208

Date: October 08, 2008

Custodial Parent: Non-Custodial Parent: SUZI CABRERA

Attorney General Case #: 0011406785 Cause #: B020319-D

ATTN:

RE: SUZI ANN CABRERA

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You are required to begin withholding from your employee's disposable earnings no later than the first pay period following the date this document is received by you, and pay all amounts withheld on each regular pay day, according to the terms of the Order/Notice [Texas Family Code §158.202].

If the employee's obligation changes in the future, another Order/Notice for the new amount will be sent to you.

For questions you have regarding the Order/Notice or electronic payment options, please access the Employer Handbook online at http://www.oag.state.tx.us or contact us at 1-800-850-6442.

Sincerely, WILLIAM BOYD **CHILD SUPPORT UNIT 0505E** 2300 HWY 365 STE 500 P O BOX 1916 **NEDERLAND, TX 77627-1916** (409) 724-1547

**Enclosures** 

Completed/2dald

September 20057

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	E WRIT OF WITHHOLDING ITHHOLD INCOME FOR CHILD SUPPORT
Original K Amended Termination Date: 10/8/2008	
State/Tribe/Territory Texas	
City/Co./Dist./Reservation 163RD JUDICIAL DISTRICT COUR	
Non-Governmental entity or Individual Case Number B020319-D	- Okanobeo om 1
CES ENVIRONMENTAL SERVICES INC Employer's/Withholder's Name	RE: CABRERA SUZI ANN Employee's/Obligor's Name (Last, First, MI)
4904 GRIGGS RD HOUSTON TX 77021-3208-04	(b) (6) Employee's/Obligor's Social Security Number
Employer's/Withholder's Address	0011406785
	Employee's/Obligor's Case Identifier
(b) (6)	Obligee's Name (Last, First, MI)
Employer/Withholder's Federal EIN Number: if known	
<b>ORDER INFORMATION:</b> This document is based on the support or You are required by law to deduct these amounts from the employee's	withholding order from <u>TX</u> . s/obligor's income until further notice.
\$ (b) (6) Per monthly cur	rrent child support
	st-due child support - Arrears 12 weeks or greater? [X] yes [] no
\$ Per monthly cur	rent cash medical support
\$ Per monthly pas	st-due cash medical support
	ousal support
***************************************	st-due spousal support
	be forwarded to the payee below.
	- 1
withhold one of the following amounts:  \$	
<b>REMITTANCE INFORMATION:</b> When remitting payment, provide employee's/obligor's principal place of employment is Texas, begin w this Order/Notice was delivered to the employer. Send payment on th amount, including your fee, cannot exceed the lesser of the applicable employee's/obligor's aggregate disposable weekly earnings.	rithholding no later than the first pay period following the date on which e same day of the pay date/date of withholding. The total withheld
allowable employer fees, follow the laws and procedures of the emplo ADDITIONAL INFORMATION TO EMPLOYERS AND OTHER W	ITHHOLDERS).
Make check payable to (Payee and Case Identifier): OFFICE OF THE ATTORNEY GENERAL	Send check to: TX CHILD SUPPORT SDU P O BOX 659791
AG Case # 0011406785 Cause # B020319-D	SAN ANTONIO TX 78265-9791
If remitting payment by EFT/EDI, call 1 (877) 474-4463 before first st. Bank routing number: Bank a	
If this is an Order/Notice to Withold:	If this is a Notice of an Order to Withold:
Print Name: Alicia G. Key:	Print Name:
Title of Issuing Official: Deputy Attorney General for Child Support	Title (if appropriate)
	Title (ii appropriate)
alicia B. Key	
Signature and Date 10/08/2008	Signature and Date
X IV-D Agency Court Attorney with authority under state law to issue order/notice.	Attorney Individual Private Entity
the income withholding order unless, under a state's law, an attorney i	es must submit a Notice of an Order to Withhold and include a copy of n that state may issue an income withholding order. In that case, the of the state law authorizing the attorney to issue an income withholding FS: 273459226

 $oxed{x}$  ORDER/NOTICE TO WITHHOLD INCOME FOR CHILD SUPPORT

 $\frac{\text{IMPORTANT: The person completing this form is advised that the information on this form may be shared with the obligor.}{000263}$ 

OMB: 0970-0154 Form 3N001

### ADDITIONAL INFORMATION TO EMPLOYERS AND OTHER WITHHOLDERS

☐ If checked, you are required to provide a copy of this form to your employee/obligor. If your employee works in a state that is different from the state that issued this order, a copy must be provided to your employee/obligor even if the box is not checked.

- 1. **Priority:** Withholding under this Order or Notice has priority over any other legal process under state law (or tribal law, if applicable) against the same income. If there are federal tax levies in effect, please notify the contact person listed below. (See 10 below.)
- 2. Combining Payments: You can combine withheld amounts from more than one employee's/obligor's income in a single payment to each agency/party requesting withholding. You must, however, separately identify the portion of the single payment that is attributable to each employee/obligor.
- 3. Reporting the Paydate/Date of Withholding: You must report the paydate/date of withholding when sending the payment. The paydate/date of withholding is the date on which the amount was withheld from the employee's wages. You must comply with the law of the state of employee's/obligor's principal place of employment with respect to the time periods within which you must implement the withholding and forward the support payments.
- 4. **Employee/Obligor with Multiple Support Withholdings:** If there is more than one Order or Notice against this employee/obligor and you are unable to honor all support Orders or Notices due to federal, state, or tribal withholding limits, you must follow the state or tribal law/procedure of the employee's/obligor's principal place of employment. You must honor all Order or Notices to the greatest extent possible. (See 9 below.)
- 5. Termination Notification: You must promptly notify the Child Support Enforcement (IV-D) Agency and/or the contact person listed below when the employee/obligor no longer works for you. Please provide the information requested and return a complete copy of this Order or Notice to the Office of the Attorney General, Child Support Division, Central File Maintenance, P O Box 12048, Austin, TX 78711-2048; and/or the contact person listed below. (See 10 below.) You may submit the termination online via the Internet at http://employer.oag.state.tx.us.

	THE EMPLOYEE/OBLIGOR NO LONGER WORKS FOR:
	EMPLOYEE'S/OBLIGOR'S NAME: SUZI ANN CABRERA CASE IDENTIFIER: AG # 0011406785
	DATE OF SEPARATION FROM EMPLOYMENT:
	LAST KNOWN ADDRESS:
	NEW EMPLOYER/ADDRESS:
6.	Lump Sum Payments: You may be required to report and withhold from lump sum payments such as bonuses, commissions, or severance pay. If you have any questions about lump sum payments, contact the Child Support Enforcement (IV-D) Agency.
7.	Liability: If you have any doubts about the validity of the Order or Notice, contact the agency or person listed below under 10. If you fail to withhold income as the Order or Notice directs, you are liable for both the accumulated amount you should have withhold from the employee's/obligor's income and any other penalties set by state or tribal law/procedure.
8.	Anti-discrimination: You are subject to a fine determined under state or tribal law for discharging an employee/obligor from employment, refusing to employ, or taking disciplinary action against any employee/obligor because of a child support withholding.
9.	Withholding Limits: For state orders, you may not withhold more than the lesser of: 1) the amounts allowed by the Federal Consumer Credit

Protection Act (15 U.S.C. §1673 (b)); or 2) the amounts allowed by the state of the employee's obligor's principal place of employment. The federal limit applies to the aggregate disposable weekly earnings (ADWE). ADWE is the net income left after making mandatory deductions such as: state, federal, local taxes, Social Security taxes, statutory pension contributions, and Medicare taxes. The Federal CCPA limit is 50% of the ADWE for child support and alimony, which is increased by 1) 10% if the employee does not support a second family; and/or 2) 5% if arrears greater than 12 weeks.

For tribal orders, you may not withhold more than the amounts allowed under the law of the issuing tribe. For tribal employers who receive a state order, you may not withhold more than the amounts allowed under the law of the state that issued the order.

Child(ren)'s Name(s)
JAVIER PALACIOS, JR.

10. If you or your employee/obligor have any questions, contact: WILLIAM BOYD at CHILD SUPPORT UNIT 0505E, 2300 HWY 365 STE 500, P O BOX 1916, NEDERLAND, TX, 77627-1916, by telephone at (409) 724-1547, by Fax at (409) 721-9816 or by Internet for employees at <a href="http://childsupport.oag.state.tx.us">http://childsupport.oag.state.tx.us</a> or for employers at <a href="http://employer.oag.state.tx.us/">http://employer.oag.state.tx.us/</a>.





12/10/2008

RE: Group Number: 11000108 Enrollee's Name: Suzi Mock

CES Environmental Attn: Anissa Wright 4904 Griggs Road Houston, TX 77021

We are unable to process your request due to one or more of the following reasons: ☐ GROUP NAME and GROUP NUMBER needed: ☐ A **CORRECT ADDRESS** is needed for employee named above. ☐ An ENROLLMENT CARD for each new employee is needed. Your OPEN ENROLLMENT PERIOD has passed. Your next open enrollment period is Please resubmit your request at that time. If there has been a qualifying change event please provide explanation and date of event; otherwise the member will not be re-enrolled for two years. (Please return form to accept penalty) Date FULL-TIME EMPLOYMENT began: _____/2\(\frac{1}{2}\) EFFECTIVE DATE does not seem correct. Your new hire waiting period is: _____ days and your next open enrollment period is / / If there has been a qualifying change event please provide explanation and date of event. We are unable to terminate coverage on the date you requested. Our policy is to allow 30 days from the date of termination to receive change notice. We will terminate coverage on ____/____. □ We are unable to terminated coverage on the date you requested. We have processed claims for dates of service in the month of ______. We will terminate coverage on _____/____. ILLEGIBLE – please resubmit. More Information/Explanation Required:

We DO NOT accept employee STATUS CHANGES ON BILLING STATEMENT or from letters. All changes must be made on an Employee Change Form. We have enclosed a copy for your use. Feel free to make your own copies or call us for additional forms or you can find them online at <a href="https://www.dentalselect.com">www.dentalselect.com</a>. If applicable, please return any included forms with the requested information or documents to:

Dental Select Eligibility Department 5373 S Green Street, Ste 400 Salt Lake City, UT 84123

If you have any questions or need further assistance, please call Member Services at: (801) 495-3000 or (800) 999-9789. Forms may be faxed to Eligibility at (801) 290-5101 or (888) 998-8704.

**Eligibility Department** 

Dental Select

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Texas Gro		nrollment	Card			DENTALS The p	OPLEC ower 2 choo	se Toll	Free Fax (888) 673-5328 Frax (801) 495-3368
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ACE USA is the U.S. domestic opera	ating division	on of ACE Limited. In	isurance prod ican insuranc	ucts and Compa	l servi any.	ces are provided by the	U.S. insuran	ce underwriting cor	npanies and not by

-CES ENVIROMENTAL ***** DP-C264 ***************** - - ***** - 7137488664- ********

# 17 Lincoln

The Lincoln National Life Insurance Company

P.O. Box 2616, Omaha, NE 68103-2616

Phone: (800) 423-2765 Fax: (877) 573-6177

Financial Groups **ENROLLMENT FORM FOR GROUP INSURANCE** Please Use Ink or **GROUP ID: GROUP POLICY #: Billing Division or Location:** 00001010689500000 Type 747080 **CESENVIRON** 00040000100000309 00040Q00300200042 **Employee Information (Complete for ALL Enrollments)** State Employer Name/Company Name (Please Print) County Employer ZIP CES Environmental Services, Inc. Social Security Number **Employee Last Name** First Name Middle Initial Date of Birth Spouse Last Name Name Middle Initia Social Security Number iste of State Work Phone (713) 859-6938 Homo Phone Gender: ☐ Male ☐ Female Marital Status: Married ☐ Single Completed By Employer Average Hours Worked Per Week: Occupation: 50 Inventor Famings: XI Hourly Weekly 1 Yearly Monthly Date of Full-Time Employment: Rehire Date: Disautine **Product Selection (Complete for ALL Enrollments)** Basic Coverage NOTE: Please mark the box or boxes for each coverage you are applying for. All coverage amounts are subject to the limitations and exclusions as stated in the policy. Class Effective Type of Coverage **Amount of Coverage** Total Date **Premium** Basic Group Life/AD&D ⊠Yes □No **Employer Paid** Voluntary Coverage NOTE: Please mark the box or boxes for each coverage you are applying for. All coverage amounts are subject to the limitations and exclusions as stated in the policy. TYPE OF COVERAGE AMOUNT OF COVERAGE **TOTAL PREMIUM** Voluntary Employee Life/AD&D Insurance X Yes □No \$ \$ Voluntary Spouse Life/AD&D Insurance **□Yes** □No \$ Voluntary Dependent Child Benefit ☐ Yes No □ 10,000 Voluntary Long Term Disability □No **Monthly Benefit Amount** bed mouth a a hereba Beneficiary Information (Complete ONLY for Life or AD&D Enrollments) ocial Security Number Relationship of Beneficiary Primary Beneficiary's Last Name tusband Social Security Number Contingent Renetician's Last Nam Relationship of Beneficiary Zip 7640 Street Address City State Box 40 Note: A Contingent Beneficiary will receive benefits only if the Primary Beneficiary does not survive you. If you wish to designate more than one Primary or Contingent Beneficiary, please attach a separate sheet of paper.

GLAD 4 11/00

Rev. 04/07 TX

****** Date DEC-08-2008 **** Time 15:57 ******** Date DEC-08-2008 **** Time 15:57

Date/Time = DEC-08-2008 15:55

Journal No. = 086

Comm. Result = OK

Page(s) = 001/001

Duration = 00:01:19

File No. = 192

Mode = Memory Transmission

Destination = 18775736177

Received ID =  $/402\ 361\ 2316$ 

Resolution = Fine

-CES ENVIROMENTAL -

***** DP-C264 *************** - - ***** - 7137488664- *******

(800) 999-9789 (801) 495-3000 Toll Free Fax (888) 673-5328 Texas Group Enrollment Card Fax (801) 495-3368 Employee Information - Must be Completed in FULL Middle Initial Coverage Selections - Confirm available options with your employer. Vision and Accident coverage are available if your employer elected to provide that coverage. Check all that apply. MOCK 是是一种的一种,这种是一种的一种,是一种的一种,是一种的一种,是一种的一种的一种,是一种的一种,是一种的一种,是一种的一种,是一种的一种,是一种的一种,是一种的一种, Dental - Select one. Vision - Select one 17640 AD&D - Select one. Employee (must complete information below) Male Employee + Family (must complete information below) Employers Address Employers Full Name AD&D Voluntary A Environmental Suc. Houston, TX Beneficiary Information - Full Nag Group Number New Enrollee Change 11000108 Relationship to Empl Date of Hire (Required) Effective Date (Enrollment continued on other side) Select One: **FOR DENTAL:** FQR VISION: X Employee Only Employee Only Employee & Child(ren) Employee & Child(ren) Employee & Spouse Employee & Spouse Employee & Family Employee & Family 5373 S. Green Street, Suite 400 Salt Lake City, UT 84123 (800) 999-9789 (801) 495-3000 Texas Group Enrollment Card (cont.) Toll Free Fax (888) 673-5328 Fax (801) 495-3368 Individuals Covered - List individuals for whom you are enrolling or adding/removing coverage Spouse Name- (Last, First, MI) Covered by other DENTAL insurance? ☐Male ☐Female ☐ Enroil ☐ Decline olicy Holder Enroll
Decline DOB HM/DD/YYY Sex □ Male □ Female Dental Child Name- (Last, First, MI) Covered by other DENTAL insurance? Enroll
Decline ☐ Enroll Decline Child Name- (Last, First, MI) DOB Covered by other DENTAL insurance? ☐ Male ☐ Femal Enroll
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Decline Child Name- (Last, First, MI) DOB Dental Covered by other DENTAL insurance? Vision Male Female ☐ Enroll ☐ Decline ■ Enroll Attach additional sheets if necessary Covered by other DENTAL insurance? If Yes, Name of Other Dental Insurance Company Social Security Number Name of Person Insured ☐ Yes ☐ No Check here to waive if you have additional coverage through another policy I understand my information is protected by privacy laws and will be released only in accordance with these laws. The only people who have access to this information are employees of the Insurance Company who service my policy or claim and other third parties authorized by the Insurance Company. Information may be disclosed to those who have an insurance-related regulatory or legal need for the information. In other situations, We will ask you for written authorization to disclose information about you. Any Person who knowingly, and with intent to defraud or deceive us or any other person, makes a request for insurance containing any false, incomplete or misleading information may be guilty of a crime. I agree and understand that if my employer is contributing towards the cost of any of the insurance products I have chosen to decline, that I will not be entitled to any compensation for my non-participation. I further understand I will not be eligible to enroll in this plan again until next enrollment period. Signature moul ACE USA is the U.S. domestic operating division of ACE Limited. Insurance products and services are provided by the U.S. insurance underwriting companies and not by ACE Limited. This plan of insurance is underwritten by ACE American Insurance Company. ace usa 

5373 S. Green Street, Suite 400 Salt Lake City, UT 84123 Date/Time = DEC-08-2008 15:16

Journal No. = 083

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Resolution = Fine

-CES ENVIROMENTAL -

***** DP-C264 **********************

_ ***** _

7137488664- *******

To:

**TWC** 

Fax:

512-475-1135

Re:

**Appeal Request** 

From:

**CES Environmental** 

**Human Resource** 

Phone:

713-676-1460

Fax:

713-676-1676

Date:

7/16/2009

**Notes:** 

We would like to appeal the decision reached in

the following case.

Suzi Mock

(b) (6)

7/17/09

UI Support & Customer Service TEXAS WORKFORCE COMMISSION BOX 2211

MC ALLEN TX 78502-2211

#### EMPLOYER'S COPY DETERMINATION ON PAYMENT OF UNEMPLOYMENT BENEFITS July 3, 2009 Date Mailed:



CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON TX 77021-3208 - Handlan III nambilan Hadlan I di Handa bilan da bilan bilan b

SUZI A MOCK Individual:

Social Security Number: (b) (6

Employer: CES ENVIRONMENTAL SER Employer Account No.: 07-442961-0

All dates are shown in

month-day-year order.

#### Decision

We sent this decision on entitlement to Unemployment Benefits to the individual on this date.

Issue: Quit-Unsafe Working Conditions

Decision: We can pay you benefits, if you meet all other requirements.

Reason for Decision: Our investigation found you left your last work because your working conditions were unsafe. You tried all reasonable means for correcting the problem before you quit. Your reason for quitting was good cause connected with the work.

Law Reference: Section 207.045 of the Texas Unemployment Compensation Act.

#### Understanding your Decision

TWC monitors eligibility for benefits when a claimant first files a claim for unemployment insurance and every time weekly payments are requested. TWC has made a decision about this claimant's job separation or ongoing eligibility for UI benefits.

- If you disagree with this decision, file an appeal. Appeal each decision separately
- by the appeal deadline. If you fax your appeal, retain a copy of the confirmation sheet. A claimant can dispute or appeal a "we cannot pay you benefits" decision. TWC will notify you of the appeal hearing. Failure to participate may result in an adverse decision.
- Be aware that you may receive additional or revised decisions for the same claim.
- If you have questions, call the TWC Tele-Center handling your claim.

## **Determination of Employer's Potential Chargeback**

we will charge your former employer's account if we pay you benefits.

# If You Disagree with this Decision

If you disagree with this decision, you may appeal. Fax or have any appeal you may file postmarked on or before . TWC will use the date we receive the fax to determine whether your appeal is timely. If you file your appeal by fax, you should retain your fax confirmation as proof of transmission. Please include a copy of this notice with Appeals correspondence. The Appeal must be in writing to this address:

> Appeal Tribunal Texas Workforce Commission 101 E. 15th Street Austin, TX 78778-0002 FAX (512) 475-1135

Please see reverse for how to file an appeal.

BD630E 02/27/2007

Case No .: 06-14-09 Claim ID.: 06-14-09 Claim Date:

FOR HEARING IMPAIRED CLIENTS Relay Texas TDD No.: 1-800-735-2989 1-800-735-2988 Voice No.:

### How to File An Appeal

Appeals must be in writing. If you want to appeal this decision, and you do not include a copy of this notice, please furnish the individual's name, the employer's name, the individual's social security number and the date of the decision you wish to appeal.

If you or one of you witnesses does not speak English, state on the appeal that you need an interpreter and which language you need interpreted. Also, if you and/or your witness(es) need any of the accommodations listed below, please indicate so in your appeal. If you want the notice of hearing mailed to a different address than the one on this form, please indicate that on your request for an appeal. The Appeals Department will mail you a notice indicating the hearing date and time. If you file your appeal by fax, you should retain your fax confirmation as proof of transmission. TWC will use the date we receive the fax to determine whether your appeal is timely. If you call to inquire about the receipt of your faxed appeal, please allow three working days before inquiring about receipt of your appeal days after the date mailed before inquiring about receipt of your appeal.

IMPORTANT: TWC conducts most hearings by telephone. We provides access to telephone, speakerphones and fax machines for individuals involved in an appeal hearing. If you do not have a private phone, need a fax machine to send information or need a speakerphone to present witnesses' testimony, let us know. If you need help operating the equipment we have staff available to assist you. We try to provide you as much privacy as possible for your hearing. When you receive the hearing notice and if you and/or your witness(es) need

- access to any equipment, and you did not request an accommodation in your appeal, please do the following:

  * Contact the TWC Tele-Center handling your claim: Austin (512) 340-4300, Dallas (214) 252-1200, El Paso (915) 832-6400, Ft. Worth (817) 420-1600, Houston (281) 983-1100, McAllen (956) 984-4700, San Antonio (210) 258-6600, Toll Free (800) 939-6631, Relay Texas TDD (800) 735-2989, Relay Texas Voice (800)
- Explain you are scheduled for an appeal hearing
- Give the specific time and date of your hearing Indicate the specific accommodation you need

You have 14 days after the mailing date of this Decision to file an appeal. The date in the last section of the front of this form is the last day of the 14 day period. We have adjusted this date to extend the period if the ending date would otherwise fall on a weekend or state holiday.

IMPORTANT: If you are using written materials as evidence, you must mail the materials to your hearing officer and the claimant so everyone has copies before the hearing begins. TWC mails copies of the information we have to all hearing participants. We mail this information along with the hearing notice. The packet includes the following: the date we notified you an individual applied for unemployment benefits (We include this information only if it is relevant to the appeal.), any protests to the claim, any information we received in response to the individual's claim, any fact-finding statements we took during the investigation and the appeal itself (either a letter or appeal form).

#### If The Individual Files An Appeal

The individual also has the right to appeal. If they exercise this right the Appeals Department will notify you of the hearing. If TWC has notified you that we will not charge your account and the individual files an appeal, it is very important that you take part in the hearing. The hearing officer will reconsider whether we should pay the INDIVIDUAL AND CHARGE YOUR ACCOUNT BASED ENTIRELY ON THE EVIDENCE GIVEN AT THE HEARING. Anyone dissatisified with an Appeal decision may appeal to the Commissioners as a higher authority review board.

#### Information About The Determination Of Employer's Potential Chargeback

If the Determination of Potential Chargeback for the Employer on the front of this form indicates a charge this means that you reported wages during the 12 month base period of this claim. We must charge you the amount actually paid to the individual. However, Texas law may specifically permit us to protect your account for certain types of separations. The next section lists these reasons. If you are a taxed employer, we will not bill you for the dollar amount of benefits paid. Being "charged" means that we will use the benefits paid in a mathematical formula to calculate your tax rate. All charges tend to increase tax rates but it is not possible to predict the exact effect of any single claim since charges are only one of several formula determine notes. factors that determine rates. However, if you are a reimbursing employer such as a state agency, political subdivision or a nonprofit organization, TWC will send you a bill for the total amount of your share of benefits paid. The law requires reimbursing employers to be charged for ALL benefits, attributal to their wages, paid to their former employees.

#### When Benefits May Not Be Charged

Taxes paid by employers finance the nationwide unemployment insurance system. The charges from claims by former employees are the basis of individual firm's tax rates. For benefits to be charged is the normal case and does not require that the job separation be the employer's "fault." The following separation reasons protect the employer's account from charge:

1. You discharged the individual for misconduct connected with the work.*

- The individual left work voluntarily without good cause connected with the work*
- 3. The separation was required by a Federal law, a Texas law, or a Texas municipal ordinance.
  4. The separation was caused by a medically verifiable illness of the individual or of a minor child.
- The separation was caused by a natural disaster, fire, flood, or explosion.
   The individual left partial employment voluntarily to accept other employment that the individual reasonably believed would increase their weekly wage.
- 7. The individual left last work voluntarily rather than provide services to a person infected with a communicable disease. *
- The individual was discharged for refusing to provide services to a person with a communicable disease.*
- *Indicates separation circumstances that will cause disqualification of the individual for benefits. The other separation reasons allow payment to the individual but also permit protection of the employer's account.

#### If You Are Charged

You have the option of filing an appeal if you believe the decision is incorrect, based on the reason for separation from last work. You have the additional option of bringing to our attention any information you may have about the individual's eligibility for unemployment compensation. The TWC will investigate all information received about any possible ineligibility. If we issue a determination of ineligibility as a result of this information, this could reduce charges to your account.

BD630F 03/07/2007

DATE/TIME = JUL-16-2009 15:41

JOURNAL No. = 136

COMM. RESULT = OK

PAGE(S) = 002/002

**DURATION** = 00:00:56

FILE No. = 475

MODE = MEMORY TRANSMISSION

**DESTINATION** = 15124751135

RECEIVED ID = / 5124751135

RESOLUTION = STD

-CES Environmental Service-

***** DP-3010 *************** - - ***** - 713 676 1676- ********

BENEFITS - CHARGEBACKS
TEXAS WORKFORCE COMMISSION
101 E 15TH ST RM 354
AUSTIN TX 78778-0001

# WAGE VERIFICATION NOTICE Date Mailed: July 3, 2009

320418310021310101

CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUZUNG XT NOTZUGH HOUZUNG LINGUIGH HOUZUNG AND HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG HOUZUNG

All dates are shown in month-day-year order.

Account Number:

07-442961-0

Predecessor:

Name:

SUZI A MOCK

Social Security Number: (b) (6

# PROTECT YOUR INTERESTS

THIS IS NOT A BILL

CHECK OUR RECORDS! INACCURATE INFORMATION CAN AFFECT YOUR TAX RATE.

The Texas Workforce Commission (TWC) notified you previously that the person named **above** applied for unemployment benefits and told us you were his/her last employer before 06-14-09. As a base period employer, you or your business could be liable for benefits TWC pays to this person. We used the wages **from your Employer Quarterly Reports** to calculate the maximum benefit amount chargeable to your account for this claim. Please check the wages against your records. If our records are not accurate, please correct the wages per the instructions below.

Maximum amount chargeable to your account for this claim \$ 2,212.88

Please Note: TWC will calculate your tax rate using charges for benefits actually paid. If the person does not draw all available benefits, the actual amount charged to your account could be less.

	WAGE INFORMATION	
QUARTER(S) USED WAGES	ON RECORD SOURCE (If Other Than Quarterly Report) PAGE	UNIT

OCT NOV DEC 2008

(b) (6)

EXAMINATION OF HARDCOPY C-4

1

# **HOW TO CORRECT REPORTED WAGES**

If the claimant's quarterly wages are wrong, please go to Unemployment Tax Services at <a href="http://www.twc.state.tx.us/ui/tax/emtaxinfo.html">http://www.twc.state.tx.us/ui/tax/emtaxinfo.html</a> to make online corrections or go to <a href="http://www.twc.state.tx.us/ui/tax/taxinstruct.html">http://www.twc.state.tx.us/ui/tax/taxinstruct.html</a> to download paper adjustment forms.

If you have other questions about this claim, please contact a Tele-Center representative at this number 1-888-657-8749.

laim Date:

06-14-09

FOR HEARING IMPAIRED CLIENTS
Relay Texas TDD No.: 1-800-735-2989

Voice No.:

1-800-735-2988

BE135H 06/01/09

UI Support & Customer Service TEXAS WORKFORCE COMMISSION BOX 2211 MC ALLEN TX 78502-2211

# NOTICE OF APPLICATION FOR UNEMPLOYMENT BENEFITS Date Mailed: June 17, 2009



CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD HOUSTON TX 77021-3208

All dates are shown in month-day-year order.

Account Number: 07-442961-0

Name: SUZI A MOCK

Social Security Number: (b) (6)

Access Key: 838366

#### **IMPORTANT**

Protect your interests! Use the Internet, call, fax or have your response postmarked on or before 07-01-09. The person named above filed an application for unemployment benefits naming you and/or your organization as the last place worked before filing. State law requires we notify you of this action. If you are an employer covered by the Texas Unemployment Compensation Act, the decision the Texas Workforce Commission (TWC) renders on this application could affect the amount of taxes or reimbursements you pay.

How do I protect my appeal rights? To receive a copy of any determination TWC makes and to protect your right to appeal, respond on or before 07-01-09, complete the reverse side of this form in detail, and be prepared to answer any additional questions.

How do I submit my response?

or

You have four response options. Only one is necessary to protect your interests.

- * Respond by using the Internet at <a href="www.texasworkforce.org/ui/er.html">www.texasworkforce.org/ui/er.html</a> Enter the Social Security Number and Access Key found above. At the completion of your entry you may print a confirmation sheet as proof of your response.
- * Call TWC at (888) 657-8749, Monday through Friday, between 8:00 a.m. and 5:00 p.m. central time to respond verbally. A Customer Service Representative (CSR) will take your information. When completing the call the CSR will give you an 11-digit confirmation number. You must speak with a CSR and receive a confirmation number. Leaving a voice message does not constitute a response. Record the number in the spaces below and keep this notice for your records.

* Fax the notice to (512) 322-2875. When faxing, be sure to include both sides of the page. TWC will use the date we receive the fax to determine whether your response is

timely. If you file your appeal by fax, you should retain your fax confirmation as proof of transmission.

<u>or</u> * Mail a copy of this notice and any attachments to the TWC address located in the upper left-hand corner.

Please Note: We may allow the applicant an opportunity to respond in a fact finding interview, if the information you submitted does not agree with his/her initial statement. If you want to participate during the initial interview, please indicate so in your response. TWC will notify you how you may participate. The applicant gave the following statement when he/she filed the application for unemployment benefits.

#### REASON NO LONGER EMPLOYED

OUIT

Verbal statement by telephone

I QUIT FOR MY OWN SAFETY. I HAVE WITNESSED 2 DEATHS IN A4 MONTH PERIOD AND AT LE AST ONE WAS PROVEN TO CHEMICAL EXPOSURE. THE OTHER

If you have difficulty interpreting the applicant's statement, call TWC at the telephone number listed above.

# PLEASE ANSWER ALL QUESTIONS ON REVERSE

BD610E 03/26/2009

Claim ID.: 06-14-09
Claim Date: 06-14-09

Entity ID.:

FOR HEARING IMPAIRED CLIENTS

Relay Texas TDD No.: 1-800-735-2988

Voice No.: 1-800-735-2988

# Work Separation Details

Please answer the following questions and mark (X) in the appropriate box.

	General Information
1.	Applicant's name (as it appeared on your payroll):
2.	Applicant's Social Security Number:  SSN (5) (6)
3.	Dates worked: 3a. Start 0000 3b. Last Date 0/5/09
4.	Did you give the applicant advance notice of work separation?  YES  NO
	4a. If no, did you pay the applicant wages instead of providing advance TES TO Number 5
	4b. How many days notice did you pay?  No. of Days:
-0110	4c. What dates did the pay cover?  Beginning Date:  Date:  Date:
5.	Reason no longer employed:  Permanent Layoff Fired Quit Reduced Hours Never Worked Here or Temporary Layoff with Recall Date:  Recall Date:
<b>0.</b>	
	6a. Have you or will you pay the applicant vacation pay during the layoff? YES NO. of
	6b. If yes, now many paid nolidays or vacation days did or will the applicant receive:  Days:
	6c. Dates pay covered or will cover:  Beginning Date:  Beginning Date:
	Detailed Separation Information
	Provide a detailed explanation of the separation, attaching additional pages if necessary. TWC may disclose to the applicant any information you provide. If the applicant was fired, include relevant company policies, any warnings given, the date and nature of the last incident causing the termination, and the name of the person who discharged the applicant. If the applicant quit, include the specific reason given for quitting and whether the applicant gave any notice. For layoffs, include the specific reason for the layoff.  NOTE: Failing to provide complete information may cause inappropriate benefit payments and raise employer taxes.  tailed Explanation:  Employee Usaga Clubton for Usaga Time but then add to show for the layoff. Time but then but to show for the layoff of the provide.
ABOUT THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF	TWC will mail a copy of the decision to the address on the other side of this form.  Please indicate any address changes on the front of this form, prior to returning it to TWC.  Preparer's Signature:  Title:  Telephone Number:
TW	C Account Number:
	Contact Person: Telephone Number:

Completed forms, inquiries, or corrections to the individual information contained in this form should be sent to the TWC office listed on the other side of this form. An individual may receive and review information that TWC collects regarding that individual by sending an e-mail to open.records@twc.state.tx.us or writing to TWC Open Records Unit, 101 E 15th St., Room 264, Austin, TX 78778-0001.

UI Support & Customer Service TEXAS WORKFORCE COMMISSION BOX 2211 MC ALLEN TX 78502-2211

# NOTICE OF APPLICATION FOR UNEMPLOYMENT BENEFITS Date Mailed: June 17, 2009



CES ENVIRONMENTAL SERVICES INC 4904 GRIGGS RD BOSE-15077 XT NOTZUOH Haallaallaandalaallaallaalallaalaballaadallaal

All dates are shown in month-day-year order.

Account Number: 07-442961-0

Name: SUZI A MOCK

Social Security Number: (6)

838366 Access Key:

**IMPORTANT** 

Protect your interests! Use the Internet, call, fax or have your response postmarked on or before 07-01-09. The person named above filed an application for unemployment benefits naming you and/or your organization as the last place worked before filing. State law requires we notify you of this action. If you are an employer covered by the Texas Unemployment Compensation Act, the decision the Texas Workforce Commission (TWC) renders on this application could affect the amount of taxes or reimbursements you pay.

How do I protect my appeal rights? To receive a copy of any determination TWC makes and to protect your right to appeal, respond on or before 07-01-09, complete the reverse side of this form in detail, and be prepared to answer any additional questions.

How do I submit my response?

You have four response options. Only one is necessary to protect your interests.

- Respond by using the Internet at www.texasworkforce.org/ui/er.html Enter the Social Security Number and Access Key found above. At the completion of your entry you may print a confirmation sheet as proof of your response.
- * Call TWC at (888) 657-8749, Monday through Friday, between 8:00 a.m. and 5:00 p.m. or central time to respond verbally. A Customer Service Representative (CSR) will take your information. When completing the call the CSR will give you an 11-digit confirmation number. You must speak with a CSR and receive a confirmation number. Leaving a voice message does not constitute a response. Record the number in the spaces below and keep this notice for your records.

- * Fax the notice to (512) 322-2875. When faxing, be sure to include both sides of the or page. TWC will use the date we receive the fax to determine whether your response is timely. If you file your appeal by fax, you should retain your fax confirmation as proof of transmission.
- * Mail a copy of this notice and any attachments to the TWC address located in the upper or left-hand corner.

Please Note: We may allow the applicant an opportunity to respond in a fact finding interview, if the information you submitted does not agree with his/her initial statement. If you want to participate during the initial interview, please indicate so in your response. TWC will notify you how you may participate. The applicant gave the following statement when he/she filed the application for unemployment benefits.

REASON NO LONGER EMPLOYED

QUIT

Verbal statement by telephone

I QUIT FOR MY OWN SAFETY. I HAVE WITNESSED 2 DEATHS IN A4 MONTH PERIOD AND AT LE AST ONE WAS PROVEN TO CHEMICAL EXPOSURE. THE OTHER

you have difficulty interpreting the applicant's statement, call TWC at the telephone number listed above.

PLEASE ANSWER ALL QUESTIONS ON REVERSE

BD610E 03/26/2009

Case No.: 06-14-09 Claim ID.: 06-14-09 Claim Date:

Entity ID.:

FOR HEARING IMPAIRED CLIENTS
Relay Texas TDD No.: 1-800-73 1-800-735-2989

Voice No.: 1-800-735-2988 Received ID = /

Resolution = Fine

**** DP-C264 *********** - - **** - 7137488664- *******

-CES ENVIROMENTAL

Employee Confidentiality
And
Assignment Agreement
For Hourly Employees

I understand that CES Environmental Services Inc. ("CES") has developed and used and will be developing and using Confidential Information in connection with its business. "Confidential Information" includes, but is not limited to, information relating to its environmental waste disposal services and /or products business such as customer lists, supplier lists, cost structure, pricing policies, operational methods, technical processes and other business affairs and methods, plans for future developments and other information which is not readily available to the public. This information was developed and will be developed by CES at great expense and constitutes trade secrets of CES. To safeguard this Confidential Information, CES has instituted policies and procedures to protect such information.

In connection with my employment by CES, I will come into contact with such Confidential Information.

I understand that the Confidential Information is vital to the success of CES's business and, in consideration of my employment by CES and the consideration to be paid to me for my services, I state the following:

- 1. I agree that during and after my term of engagement with CES:
  - (a) I shall keep secret all Confidential Information and not reveal or disclose it to anyone outside of CES, except with CES's prior written consent;
  - (b) I shall not make use of any of such Confidential Information for my own purposes or the benefit of anyone other than CES; and
  - (c) I shall deliver promptly to CES, upon the termination of my engagement and at any time CES may so request, all software, data, memoranda, notes, records and other documents (and all copies thereof) constituting or relating to such Confidential Information which I may then possess.
- 2. I understand that this Agreement shall be governed by and construed in accordance with the laws of the State of Texas, without regards to its conflicts of laws rules.

AGREED TO AND ACCEPTED:

Employee's Name: Sur Mock

Employee's Signature: Sur Mock

Date: 9/95 , 200 8

ces12.sec/010804

# **CONFIDENTIALITY AND NON-COMPETE AGREEMENT**

This Confidentiality and	Non-Compete Agree	eement (this "	'Agreement"),	is entered into by and
between CES Environmental	Services, Inc.,	a Texas c	orporation (t	he "Company"), and
between CES Environmental	(the "Employee").	The Comp	any and Emp	oloyee may sometimes
hereinafter be referred to singular	ly as a "Party" or co	llectively as th	he "Parties."	

# **RECITALS:**

WHEREAS, Employee is or will be an "at will" employee of the Company;

WHEREAS, Employee, in the course of his or her employment, will have access to certain confidential information and trade secrets relating to the operation, plans, products, and strategies of the Company;

WHEREAS, Employee recognizes the need for Employer to protect its interest in and to confidential information and trade secrets;

NOW, THEREFORE, for and in consideration of the Recitals, the continued at will employment of Employee by Employer, the mutual agreements specified herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each Party, the Company, and the Employee hereby agree as follows:

# **AGREEMENTS:**

- 1. <u>Competition.</u> Employee agrees that until the termination of Employee's employment with the Company and thereafter to the extent specifically provided in this Agreement:
  - a. The Employee will not actively engage, directly or indirectly, in any other business except at the direction or approval of the Company.
  - b. The Employee will not engage, directly or indirectly, in any activity competitive with the business of the Company. This prohibition shall include the ownership, management, operation, or control of, or employment by, or participation in, or connection with the management, ownership, operation, or control of, in any manner, any business of the type and character engaged in by the Company. Notwithstanding the foregoing, the Employee may make or maintain an investment not to exceed five percent (5%) of the capital stock of any publicly traded company that competes with the Company.
- 2. Post Termination Covenant Not to Compete. The Employee recognizes that the Company has business goodwill and other legitimate business interests which must be protected in connection with and in addition to the Information (as hereinafter defined), and therefore, in exchange for access to the Information, the specialized training and instruction which the Company will provide, the Company's agreement to employ the Employee on the terms and conditions set forth herein and the promotion and advertisement by the Company of the Employee's skill, ability, and value in the Company's business, the Employee agrees that in the event the employment relationship between the Company and Employee is terminated by any cause or for any reason, then for a period of **eighteen (18) months** after the date employment is so terminated:

1

- a. <u>Subject to customer limitation detailed in paragraph (b) of this section</u>, Employee will not in any capacity or relationship enter into, engage in, or be connected with any business or business operation or activity which is in <u>direct</u> competition, in whole or in part, with the Business of the Company (as defined hereinafter). For purposes of this Agreement, the "Business of the Company" shall be defined as the current business of the Company, including, but not limited to the following:
  - i. Transportation and disposal of Hazardous and Non-Hazardous Industrial waste
  - ii. Off-site disposal and/or cleanup of customer land, facilities, or equipment (field services)
  - iii. Tank wash services
  - iv. Management services for disposal and/or remarketing of products, co-products, and waste
  - v. Recycling of products, co-products, and/or waste.
  - vi. Waste classification and consulting services.
- b. The Employee will not call upon any person that is a customer of the Company at the time of the termination of the Employee's employment, for the purpose of selling or attempting to sell to any such customer any services or products similar to those offered by the Company from time to time; and
- c. The Employee will not intentionally divert, solicit, or take away any customer, supplier, or employee of the Company, or the patronage of any customer or supplier of the Company, or otherwise interfere with or disturb the relationship existing between the Company and any of its respective customers, suppliers or employees, directly or indirectly.

It is mutually understood and agreed that if any of the provisions relating to the scope, time or territory in this Section 2 are more extensive than is enforceable under applicable laws or are broader than necessary to protect the good will and legitimate business interests of the Company, then the Parties agree that they will reduce the degree and extent of such provisions by whatever minimal amount is necessary to bring such provisions within the ambit of enforceability under applicable law.

The Parties acknowledge that the remedies at law for a breach or threatened breach by the Employee of the Employee's covenants contained in this Section 11 are inadequate, and they agree that the Company, in addition to any other remedies available to it for such breach or threatened breach, including the recovery of damages, shall be entitled, at its election, to temporary or permanent injunctive relief restraining the Employee from such conduct and to specific performance of said covenants. If a bond is required to be posted in order for the Company to secure an injunction, the Parties stipulate that a bond in the amount of \$1,000 would be sufficient in all circumstances to protect the rights of the Parties.

3. <u>Business Opportunities.</u> For as long as the Employee shall be employed by the Company and thereafter with respect to any business opportunities learned about during the time of the Employee's employment by the Company, the Employee agrees that with respect to any future business opportunity or other new and future business proposal which is offered to, or comes to the attention of, the Employee and which is in any way related to, or connected with, the Business of the Company, the Company shall have the right to take advantage of such business opportunity or other business proposal for its own benefit. The Employee agrees to promptly deliver notice to the Management in writing of the existence of such opportunity or proposal and

the Employee may take advantage of such opportunity only if the Management notifies the Employee in writing that the Management is not electing to exercise its right to take advantage of such opportunity.

- 4. Confidential Information. The Employee acknowledges that in the course of Employee's employment with the Company, Employee may receive certain trade secrets, know-how, lists of customers, employee records, strategic planning, product strategies, marketing strategies, financial information, and other confidential information and knowledge concerning the Business of the Company (hereinafter collectively referred to as "Information") which the Company desires to protect. The Employee understands that such Information is confidential and Employee agrees that Employee will not reveal such Information to anyone outside the Company. The Employee further agrees Employee will not use such Information in competing with the Company. Upon termination of Employee's employment hereunder, the Employee shall surrender to the Company all papers, documents, writings and other property produced by him or coming into Employee's possession by or through Employee's employment hereunder and relating to the information referred to in this Section 4, which are not general knowledge in the industry, and the Employee agrees that all such materials will at all times remain the property of the Company.
- 5. Specific Performance. The Employee acknowledges that a remedy at law for any breach or threatened breach of this Agreement will be inadequate and violations of the covenants by the Employee will result in immediate and irreparable damage to the Company and they agree that in the event of an actual or threatened breach of the provisions of this Agreement by the Employee, the Company, in addition to any other remedies available to it for such breach or threatened breach, including the recovery of damages, shall be entitled to temporary or permanent injunctive relief restraining the Employee from such conduct. If a bond is required to be posted in order for the Company to secure an injunction, the Parties stipulate that a bond in the amount of \$1,000 would be sufficient in all circumstances to protect the rights of the Parties.
- 6. <u>"At Will" Employment Relationship.</u> Neither this Agreement nor any term or provision of this Agreement shall be construed to alter the "at will" employment relationship between the Company and the Employee, and the Employee may be terminated at any time by the Company for any reason, with or without cause.
- 7. "Works for Hire": All work which I create in connection with my engagement shall be considered to be "works made for hire" under the U.S. Copyright Act, 17 U.S.C. Sections 101 et seq. In the event a work is not construed to be a work made for hire, I assign, and will assign to CES all my rights and interests in any developments, design, inventions, improvements, trade secrets, trademarks, copyrightable subject matter or proprietary information which I have made or conceived, or may make or conceive, either solely or jointly with others and either on or off CES's premises, (a) while providing services to CES, (b) with the use of the time, materials or facilities of CES, (c) relating to any product, service or activity of CES of which I have knowledge or (d) suggested by or resulting from any work performed by me for CES (the "Developments"). I agree that I have no proprietary interest in any Developments, including any patent, copyright, trademark and trade secret rights. Any and all programs, inventions and other works of authorship developed by me while performing services for CES are created for and owned exclusively by CES. I agree that I shall sign any papers necessary for patents, copyrights or trademarks to conform and protect the interest of CES, in the Developments and that I shall

not register, file or obtain any patent, copyright or trademark covering any of Developments in my own name and I further agree to provide necessary assistance to protect, enforce or perfect CES's rights and interests in such patents, copyrights and trademarks.

- 8. Governing Law: This Agreement shall be construed and enforced in accordance with and governed by the laws of the State of Texas. Any litigation between or among the Parties with respect to the subject matter of this Agreement shall take place in the appropriate federal or state district courts located in Harris County, Texas, and each Party hereby irrevocably submits to the personal jurisdiction of such courts.
- 9. <u>Parole Evidence</u>. This Agreement constitutes the sole and complete agreement between the Parties hereto, and no verbal or other statements, inducements, or representations have been made to or relied upon by either Party, and no modification hereof shall be effective unless in writing signed and executed in the same manner as this Agreement.
- 10. <u>Waiver</u>. Any waiver to be enforceable must be in writing and executed by the Party against whom the waiver is sought to be enforced.
- 11. <u>Attorney's Fees.</u> If any litigation is instituted to enforce or interpret the provisions of this Agreement or the transactions described herein, the prevailing Party in such action shall be entitled to recover its reasonable attorneys' fees from the other Party hereto.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the  $\frac{25}{2}$  day of  $\frac{200}{100}$ .

# **COMPANY:**

CES Environmental Services, Inc., a Texas corporation

Name:

EMPLOYEE:

Name:



# **Universal Employee Mandates**

# Purpose:

These mandates have been established in an effort to establish overall guidelines and principles under which each CES employee should work. These requirements will help precipitate a harmonious and friendly working environment. The mandates also promote honesty and integrity while helping to ensure overall employee reliability and accountability. Ultimately, we seek to provide the most superior service in the environmental and industrial service business!

# General Applicability:

Every CES employee is subject to these requirements

### The Mandates:

- Employees must respect and be considerate of fellow workers, customers, vendors, etc.
- Employees must not fight or vigorously confront other employees
- Employees must not complain (it will not be tolerated). If an employee has a legitimate concern or issue, he or she should approach his or her direct manager concerning the issue and provide the manager with at least one possible solution to the issue.
- Employees should not engage in verbal, non-verbal, or physical abuse of fellow employees. Verbal abuse is spoken or written communication that does not respect the basic humanity and dignity of fellow employees or is intended to intimidate or degrade the employee. Non-verbal abuse includes gestures or body language, directed at a fellow employee, which is commonly understood to be derogatory and/or insulting. Physical abuse includes items such as hitting, kicking, pushing, or otherwise initiating physical contact with the body of a fellow employee to either intimidate or cause harm to the fellow employee.
- Each employee must follow the chain of command specified in the CES **Organizational Structure** (see **Standard Operating Procedure** titled <u>Following the chain of Command</u>
- Employees must be punctual (i.e. employees should be a their designated work station, ready to work, at the designated time)
- Employees should have good attendance. Unexcused absences will not be tolerated.
- Employees who know they will be absent or late must notify their direct supervisor immediately upon confirmation of their situation (as defined in Employee Handbook)
- Alcohol, drugs, and firearms are not allowed on CES working property, customer's property, or vendor's property.
- Employees must perform their position responsibilities to the best of their ability
- Employees should do what must be done (as assigned), when it must be done (as designated), and with a positive and "can-do" attitude.
- Employees must not steal either property or time from the Company
- Employees must not lie on the job
- Employees must not engage in any illegal activities of any sort (on or off the clock)
- Employees will not discuss wages and salaries other than with their supervisors, through the Chain of Command. Wages and Salaries are individual issues and should be handled in confidence.
- Employees must follow all Company policies and procedures listed in the Company Safety Policies Manual, Standard Operating Procedures Manual, Employee Handbook, etc.

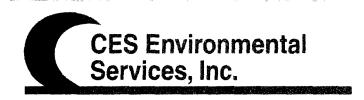
- Employees are responsible for all company property and equipment (either assigned or unassigned)
- Employees must not abuse Company property (all CES property should be used with care, the way it is designed to be used). Also concerning Company property, Employees must recognize and respect internal rights of use and ownership.
- Employees shall not inappropriately use company assets (e.g. use of company assets for personal gain, personal gratification). Company assets are to be used strictly for the benefit of the company unless specifically approved by the **President**.
- Confidential Information must be treated as proprietary and kept confidential. Confidential information includes, but is not limited to, the following: wages and salaries, client contacts and business relationships, company capabilities and direction, company financial information. Employees who become aware of such information must report the information to Upper Level Management immediately. Such information will be handled in the strictest of confidence by Upper Level Management. Failure to report such information will be considered collaboration of such activity.
- Racial or Sexual harassment of any sort is strictly prohibited: racial or sexual slurs or "jokes", sexually explicit "porn" magazines, sexually explicit activity on the computer/internet, fraternization (sexual or dating relationships between managers and subordinates in the same chain of command)

Received	and	unders	stood	by:
----------	-----	--------	-------	-----

Date: <u>9/25/0/</u>

Witnessed by:

Date:



# **Important Notice**

This plan is intended to comply with the provisions described in Section 404(c) of the Employee Retirement Income Security Act of 1974, as amended (ERISA). The regulations under ERISA Section 404(c) provide that if your employer gives you the opportunity to exercise control over assets in your individual account and choose from a broad range of investment alternatives, then the employer, who is a fiduciary, may be relieved of liability for any losses that result from your own investment instructions. You, in turn, are responsible for the investment performance of your plan account. To satisfy this requirement, the employer is required to provide you with, or give you the opportunity to obtain, sufficient information to make informed decisions with regard to investment alternatives under the plan.

You will receive a fund fact sheet and your plan sponsor can provide prospectuses for each fund offered in the plan. The fund fact sheets are enclosed in your enrollment book and describe the investment objective, performance and strategy for each fund. It also discusses the type and diversification of assets that make up the fund's investment portfolio. The prospectus discloses all pertinent information about a fund including information concerning the fees and expenses associated with the fund. You should review all material regarding your plan carefully before investing money in your plan. If you have any questions, please contact your plan sponsor.

I acknowledge that my employer intends to comply with the provisions in Section 404(c) of the Employee Retirement Income Security Act of 1974, as amended (ERISA).

I have been informed that Matt Bowman and Greg Bowman will assume the role of the fiduciary for the CES Environmental Services, INC. 401k and Profit Sharing Plan.

I have been given a copy of the Investment Policy Statement, Summary Plan Description, Summary of Material Modifications(4), descriptions of each investment option including all fees and expenses charged to participants under each option, and am aware that I may request a prospectus for each investment offered in the plan.

I have been instructed on how to select investments and how to change investment selections of my choice online or over the phone, and understand I will have access to regular account statements.

Signature

Printed Name

Jage

Concentra Medical Centers
10909 East Frwy Houston, TX 77029
Phone: (713) 973-7943 Fax: (713) 973-7947

# PLHCP¹ WRITTEN STATEMENT for RESPIRATORS (EMPLOYEE)

Service Date: 09/25/2008	
Employee Name:	Employee SSN: (b) (6)
Cabrera-Mock, Suzi	
Address:	
(b) (6)	
(6)	
PORT ARTHUR TX 77640	
###	
Employer: CES Environmental	
You were evaluated in this office of you to wear a respirator. (Check $\checkmark$ one that	r medical status related to your physical capability applies)
	rould hamper your ability to perform your job duties while wearing a respirator. e not related to wearing a respirator but should be reported to your n.
Based upon the results of this evaluation	on it is my opinion that you: (Check <u>ALL</u> that apply)
ARE qualified to wear a respirator.	
☐ Have the following restrictions concerni	ng respirator usage:
☐ ARE NOT qualified to wear a respirator	
Require further testing by your private p	physician who must submit a written report of his/her findings to
Concentra Medical Centers	so that a final decision on your ability to wear a respirator can be made.
☐ Must wear Special prescription eye-wea	ar needed to accommodate respirator.
☐ Must use an Eye glass conversion kit.	
May need to shave Facial hair to assure	e tight seal on certain face masks.
☐ Need to stop smoking.	
(Check ALL that apply)	
The above individual <u>HAS</u> been examined for respirator	fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator
use only. Employees should be instructed to report any	difficulties in using respirators or change of any physical status to their supervisor or physician.
Questionnaire in Appendix C Part A Section 2. In accord	for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation lance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees should be instructed any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire
In accordance with specific OSHA requirements, I have	informed the above named individual of the results of this evaluation and of any medical conditions resulting from nent. Where applicable, the above named individual has been informed of the increased risk of lung cancer stos, lead and/or other chemical exposure(s).
and warnings for proper use contained on the respirator pa	nment and concentration levels to which the worker will be exposed. Failure to follow the use and fitting instruction ckaging and/or failure to wear the respirator during all times of exposure can reduce the respirator's effectiveness the proper care of any respirator. Refer to product literature and packaging for specific information regarding fit,
Lalynn	Employee's Signature
PLHCP Signature PLHCP Signature	4-25-09
PLHCP Name (printed)	Expiration Date
¹ Physician or other Licensed Healthcare Professional	
To be ma	intained in the employee's file with a copy to the employee

Page 1 of 1

r_plhcp_stmt_resp_employee

Print Date:

Revision Date:

09/25/2008

04/06/2000

# **Concentra Medical Centers**

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

# RESPIRATORY FIT TEST ASSESSMENT RECORD

Service Date:	09/25/2008	Respirator Type:		
Employee Name:	Cabrera-Mock, Suzi	Respirator Model:		
Employee SSN:	(b) (6)	Cartridge Type:		
Employer:	CES Environmental	Anticipated Usage: Min	utes/day	
Department:			urs/day ys/week	
Qualitative Fit Tes	st (QLFT) Protocol used:	Exercise (each exercise shall be conduc	ted for one m	inute
□Isoamyl Acetate	(Respirator must be equipped with an organic vapor filter)	except for grimace which shall be condu	ucted for 15 s	econds)
☐Saccharin Solution	on (Must use DeVilbiss Model 40 Inhalation Medication	Breathing		
Nebulizer or equ	ivalent)	Normal	Pass	Fail
□Bitrex (Denatoniu	ım Benzoate) Aerosol	Deep	Pass	Fail
Quantitative Fit Te	est (QNFT) Protocol used:	Head	Pass	Fail
□ Test Ch	namber: Circle one of the following:	Turn Left	Pass	Fail
Corn Oil		Turn Right	Pass	Fail
Polyethylene glyd	col 400 (PEG 400)	Side: Left	Pass	Fail
di-2-ethyl hexyl s	ebacate (DEHS)	Side: Right	Pass	Fail
Sodium Chloride		Move Up	Pass	Fail
Condensation Nu	uclei Counter: ambient aerosol	Move Down	Pass	Fail
Yes No Subject	donned respirator at least 5 minutes prior to assessment	Talking		·
Yes No Subject	conducted user seal check	Name	Pass	Fail
Yes No Apparel	interfering with a satisfactory fit must be removed or altered.	SSN#	Pass	Fail
	given a description of the fit test and his/her responsibilities	Read	Pass	Fail
	assessment.		Pass	Fail
Yes No Subject	wore applicable safety equipment during fit test	Rainbow Passage observed by tester	F 455	ı alı
	omfort (C: Comfortable, NC: Not Comfortable)	Facial Expressions	Door	Fail
	of the mask on the nose	Grimace	Pass	
	or eye protection	Smile	Pass	Fail
C NC Room to	• •	Frown	Pass	Fail
	of mask on face and cheeks	Body Movement	_	
	fit (A: Adequate, NA: Not Adequate)	Bend at waist	Pass	Fail
		Jog in place	Pass	Fail
	te strap tension, not overly tight	Subject rates comfort of respirator: 1 2	3 4 5 6	6 7 8 9 10
-		Leas	.t	Most
	ss nose bridge size to span length from nose to chin	Yes No Subject made no attempt(s) to ad	just respirator	during assessme
•	•			_
	cy of respirator to slip	Assessment (CHECK VALL THAT APP	LY)	
A NA Subject	observed self in mirror to evaluate fit and position.	Test discontinued due to:		
Physician's Cor	nments	☐ Hair growth; beard, mustache, s sealing surface,	ideburns which	n cross respirator
		- ☐ Difficulty breathing, or		
		<ul> <li>Comfort or Fit of respirator was</li> </ul>	unacceptable t	to employee.
		Recommendation(s)		
Cla	ass I FVC - 75% or more; FEV1/FVC Ratio 70 % or more (Re	fer to Guideline Chart)		
_/	Restrictions on Respirator Use			
	ass II FVC 60%-70%; FEV1/FVC Ratio 60%-70% of Predicted	d (Refer to Guideline Chart)		
	me specific restrictions on respirator use:	•		
	ass III FVC 50%-60%; FEV1/FVC Ratio 50%-60% of Predicte	ed (Refer to Guideline Chart)		
_	espirator use not permitted	,		
	rther testing required:			
	bject to return after facial hair is removed for completion of A	ssessment by		
	bject is to be given the opportunity to select another type of r	respirator and return for assessment by	$\sim 1$	
	bjedt is to be given the opportunity to sciedt another type or t		ZIA	C, Kt
X		1 a a de	) rel	Gpt.
	isian's Signature	Physi	ician's Nam	e Print
Physi	ician's Signature	( )		- Willing
	This record is to be maintained by the employer in accordance Re-testing must occur ANNUALLY as long as the	ce with 29 CFR 1910.134 Paragraph (m) (2)(l)(A) - employee is required to wear a respirator.	(E).	
			09/25/20	008
r roen fit test as	Page 1 of 1	Print Date:	U3/20/2	000

Page 1 of 1

r_resp_fit_test_asses

EPAHO043001367

06/29/1999

Revision Date

# **Concentra Medical Centers**

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

# EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLL	OWING:	Address:	
Employee Name: Cabrera-Mock, Suzi		(b) (6)	
		PORT ARTHUR	TX 77640
Employer: CES Environmental		Employee SSN: 547-47-0448	3
Check Type of Respirator(s) To Be Used (Ch	eck ✓ALL that apply)	Extent of Useage (Check ~	ALL that apply)
Air-purifying (non-powered)	fying (powered)	On a daily basis T	
Atmosphere supplying Respirator			ore than twice a week Total Hours
☐ Combination air-line and SCBA			y situations only Total Hours
☐ Continous-Flow Respirator☐ Supplied-Air Respirator			quired (Check ✓ ALL that apply)
Open Circuit SCBA Closed Circuit SC	CRA	☐ Light ☐ Moderate	
Dust Mask 1/2 Face with Canisters	Full Face with Canisters	Exposure to Hazardous Mate	erials (Check ✓ALL that apply)
Make: Model:	Cartridge:	Arsenic	Benzene
Special Work Conditions		Coke Oven	☐ Cotton Seed / Dust
(Check ALL That Apply When Wearing Respi	rator)	Cadmium	☐ Formaldehyde
☐ High Places ☐ Enclosed Places	Protective Clothing	☐ Methylene Chloride ☐ Textiles	└── Lead □ Chromium
☐ Temperature Extremes ☐ Mostly Cold	☐ Mostly Hot	Other(s):	Li Cironiani
Other:			
Questionare will be:	MAILED   OTHER	EVALUATION AUTHORIZATI	
DO NOT WRITE BELOW THIS LINE	DO NOT WRITE	BELOW THIS LINE	Signature of Employer Representative  DO NOT WRITE BELOW THIS LINE
	EN STATEMENT for RESPI		
☐ Class III - Respirator Use is NOT PERMITTED ☐ Further Testing / Evaluation is Required.  ☐ Fit Test Required ☐ Fit	is intended for the designated employ tion obtained during physical examination operate files, and must be treated as a consessary restrictions on the work or duties appropriate, if the disability might require individual (Check ALL that apply) Concentra Medical Centers  To be used for Emergency Response Test Performed Satisfactorily  Test NOT Performed at: Concentra Special procentarion certain face masks.	n of qualified individuals with disabilities on fidential medical record, with the follows of an employee and necessary accoming emergency treatment.  prior to respirator ap or Escape Only Other  Ta Medical Centers  escription eyewear needed to accommon	s. All information wing exceptions: modations.  oproval and usage.  or:
	5	40 404 This is the house of	
The above individual <u>HAS</u> been examined for respirat use only. Employees should be instructed to report an This evaluation included the Respiratory Questionnair The above individual <u>HAS NOT</u> been examined by m Questionnaire in Appendix C Part A Section 2. In account or report any difficulties in using respirators or change	y difficulties in using respirators or chan- e outlined in 29 CFR 1910.134. e for respirator fitness. The employee's ordance with 29 CFR 1910.134, this limit	ge of any physical status to their superv medical evaluation consisted of a reviev ed evaluation is specific to respirator us	visor or physician. v of OSHA's Medical Evaluation se only. Employees would be instructed
outlined in 29 CFR 1910.134.  In accordance with specific OSHA requirements, I have exposures that may require further explanation or trea attributable to the combified effect of smoking and as!	tment. Where applicable, the above nan	ned individual has been informed of the	increased risk of lung cancer  5. Follow A
Physician's Signature		9-25-00	9.25-01
Physician's License Number (Optional in	Most States)	Date of Exam	Expires On
r_plhcp_stmt_resp_employer	Page 1 of 1		Print Date: 09/25/2008

To be maintained in the employee's file with a copy to the employee

06/29/1999

Revision Date:

09/25/2008

LAST NAME

CABRERA-MOCK

FIRST NAME SUZI

### **FIT TEST REPORT**

ID NUMBER	(b) (6)
-----------	---------

LAST NAME CABRERA-MOCK CUSTOM1
FIRST NAME SUZI CUSTOM2
COMPANY CES ENVIRONMENTAL CUSTOM3
LOCATION HOUSTON TX 77021 CUSTOM4

NOTE

 TEST DATE
 09/25/2008
 PORTACOUNT S/N
 17358

 TEST TIME
 12:43
 N95-COMPANION
 N

**DUE DATE** 09/25/2009

RESPIRATOR SCOTT AV 2000 FULL FACE PROTOCOL OSHA 29CFR1910.134

22800

2 Cabramou

MANUFACTURER SCOTT PASS LEVEL 500

MODEL AV 2000

MASK STYLEFULL FACEAPPROVALMASK SIZELGEFFICIENCY < 99%</td>

EXERCISE	<b>DURATION (sec)</b>	FIT FACTOR	<u>PASS</u>
NORMAL BREATHING	60	127000	Y
DEEP BREATHING	60	117000	Υ
HEAD SIDE TO SIDE	60	63100	Y
HEAD UP AND DOWN	60	34200	Y
TALKING	60	4810	Y
GRIMACE	15	Excl.	
BENDING OVER	60	39600	Y
NORMAL BREATHING	60	89700	Υ

OVERALL FIT FACTOR

FITTEST OPERATOR

NAME

SUZI CABRERA-MOCK

Υ

DATE

9.2508

DATE

LAST NAME

CABRERA-MOCK

**FIRST NAME** 

CUSTOM1 CUSTOM2 CUSTOM3

**CUSTOM4** 

SUZI

# **FIT TEST REPORT**

ID NUMBER	(b) (6)
LAST NAME	CABRERA-MOCK
FIRST NAME	SUZI
COMPANY	CES ENVIRONMENTAL

**HOUSTON TX 77021** 

LOCATION NOTE

 TEST DATE
 09/25/2008
 PORTACOUNT S/N
 17358

 TEST TIME
 12:15
 N95-COMPANION
 N

**DUE DATE** 09/25/2009

RESPIRATOR 3M 7800 FULL FACE [500] PROTOCOL OSHA 29CFR1910.134

MANUFACTURER 3M PASS LEVEL 500

**MODEL** 7800

MASK STYLE FULL FACE APPROVAL

MASK SIZE MD EFFICIENCY <99% N

EXERCISE	DURATION (sec)	FIT FACTOR	<b>PASS</b>
NORMAL BREATHING	60	1730	Υ
DEEP BREATHING	60	1020	Υ
HEAD SIDE TO SIDE	60	2140	Υ
HEAD UP AND DOWN	60	1920	Υ
TALKING	60	1400	Υ
GRIMACE	15	Excl.	
BENDING OVER	60	1430	Υ
NORMAL BREATHING	60	1660	Υ

**OVERALL FIT FACTOR** 

FITTEST OPERATOR

1530

of Cabrara Mall

NAME

DATE

9-25-08

SUZI CABRERA-MOCK

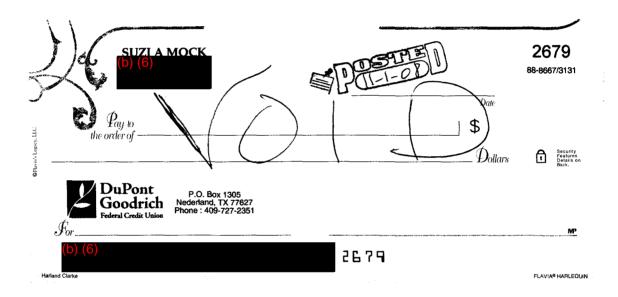
D.LUNA



# Pulmonary Function Test (PFT): Pre-Test Check-off Sheet

Subject Name SUZI CABRERA - MOCK

<b>A</b>	Tak	e a sitting E	BP reading ( If gr	eater than 140/90	consult provider)	ı		
>	_	al reading:	18 84	Subsequent rea	idings:/_	1.0-	/	
>	•	USE!	T pre-test question	ons with subject	5 W	+:239	e	
	1. <b>.</b>	Have you	YES chest abdomen eye ear dental	ave any recent or	current illness or i	nfection with	nin the last 3 r	nonths? NO
	2.	Recent su	rgeries within 6: YES chest, abdomen, eye, ear, or dental (if yes to any o	months?  f the above, consu	alt provider )		6	NO
	3.	Used a bro	onchodilator with YES	hin the last 4 hou	rs? Document nam	e	6	NO
	4.	History of	f significantly ele YES	evated BP? ( cons し因いだ	ult provider)			NO
	5.	Pregnanc	y? (postpone if i	in the last trimest	er)		4	NO
	6.	Had a hea □	vy meal in the la	st 2 hours? ( docu	_		$\mathcal{P}$	NO
	7.	Smoked in	n the last hour? (	document time)_	15 miles	ago		NO
	8.	Previous p	oroblems with a l	PFT test? (docum	ent)		Ø	NO
	9.	Tight rest	rictive clothing ( YES	loosen)			4	NO
	10.	Loose den	ntures ( remove ) YES				4	NO
	11.	Gum, can	dy, or chewing g YES	um in mouth ( re	move)			NO
		by NB by VJD 10	)-31-07			/	/	



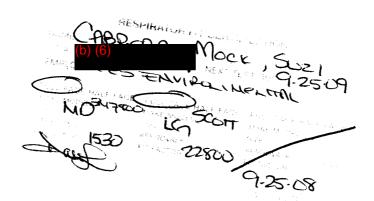


10909 I-10 EAST FREEWAY

HOUSTON, TEXAS 77029

(713) 973-7943

FAX (713) 973-7947



## CUSTODY AND CONTROL FORM (DO NOT USE THIS FORM FOR D.O.T. COLLECTIONS)



ADVANCED TOXICOLOGY NETWORK, 3560 Air Center Cove, Memphis, TN 38118 (888)222-4894 STEP 1: COMPLETED BY COLLECTOR OR EMPLOYER REPRESENTATIVE A. Employer Name, Address, I.D. No. B. MRO Name, Address, Phone and Fax No. Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of th C. Donor Information Note: Donor must sign HIPAA authorization on back of copy 1 D. Results Review E. Reason for Test First M.I. Pre-employment Name Random ☐ Reasonable Suspicion/Cause Dost Accident ☐ Post Injury ☐ Return to Duty ☐ Follow-up Last ☐ Other (specify): ___ Name F. Test to be Performed: Alt ID 4 Donor Phone (Daytime) Donor Phone (Evening) Donor Certification: I certify that I provided my urine specimen to the collector; that I have not adulterated it in any manner; that each specimen bottle used was sealed with a tamper-evident seal in my presence; and that the information provided on this form and on the label affixed to each specimen bottle is correct. Signature of Donor G. Collection Site Information Collection Site Phone No. Site ID # STEP 2: COMPLETED BY COLLECTOR Read specimen temperature within 4 minutes. Is temperature between 90° and 100° F? YES NO, enter remarks Specimen Collection: ☐ Observed: ☐ Split ☑ Single (Enter Remarks Below)

REMARKS: STEP 3: Collector affixes bottle seal(s) to bottle(s). Collector dates seal(s). Donor initials seal(s). STEP 4: CHAIN OF CUSTODY - INITIATED BY COLLECTOR AND COMPLETED BY LABORATORY certify that the specimen given to me by the donor identified above was collected, labeled, sealed and released to the Delivery Service noted, in accordance with applicable requirements. SPECIMEN BOTTLE(S) RELEASED TO: Time of Collection 3 PRINT Collector's Name (First MI Last) (MM/DDÁYY) Name of Delivery Service Transferring Specimen to Laboratory RECEIVED AT LABORATORY SPECIMEN BOTTLE(S) RELEASED TO: Primary Specimen Bottle Seal Intact? Yes No Signature of Accessioner enter remarks below Date (MM/DD/YY) PRINT Accessioner's Name (First MI Last)

We want you to know."





#### **Shortcuts**

- > History
- > DocFind
- > Help
- > Exit

Message! Your previous transaction has been applied. Subscriber name = Suzi A. Mock, SSN = 547470448

## Find/Enroll Subscriber

#### Instructions:

*Indicates required entry

To Find or Enroll a new Subscriber:

• Enter the Subscriber's Social Security Number (e.g. xxxxxxxxx) and select "Continue". Access Find/Enroll Subscriber for detailed information.

*Please Enter Subscriber Social Security Number:

*Please Select the Plan Sponsor Name CES Environmental Services, Inc. for this subscriber:









## Enrollment/Change Request

, , ,	I I I I I I I I I I I I I I I I I I I	AN AETHA COMPANY	Aeı	na Health Inc	<b>:</b> .							Co	ntrol	S	Suttix	Account	Plan Number
	ployer Group Information Be Completed by Employer)	Group Name / Employer Name	- Full Na	ame of Business or Organ	nization							Gre	oup Numb	er			Class Code
A. Typ	e of Activity - Employee Comple	etes Sections A - E. Plea	se Prini	t Clearly.								Co	ontinuati	ion of Co	overage, i	.e., COBRA	A, State - Not all options are
Instructions: Refer to the instructions   Enrollment		New Enrollee/Subscriber  Effective Date  / /		ange - Check all that apply.  Add Spouse Add Dependent Child Name Change Other Change Plan Control/Suffix/Acct/Pla	Date of Event / / Reason	/ /			Remove or Terminate  Remove Spouse Remove Dependent Child Employee Withdrawal/ Termination		Effective Date		available. Contact Employer for available of Coverage For: ☐ Employee ☐ Dep Length of Continuation (months): ☐ 18 ☐ 29 - Attach disability determination ☐ Date of Loss of Coverage ☐ / Date of Qualifying Event ☐ / Continuation of Coverage Expiration Date			Depen  18 [ ermination from / /	ependents  B
<u></u>	ployee Information			CONTO#SUMX/ACCUPIA					C. Pla	an Options - Your sel	ection(:	s) must be offered			<u></u>	mation Date	
(b) (6 Ho(b) Employe Work Ad	Last Nan	•	City State			ZIP Code  ZIP Code  ZIP Code	lo40				QPOS® ss™ HI OS work O	MO Av  ption SM	<b>ailable opt</b> o <b>tion and A</b> eck one.	ions with	Aetna Health th Network C	Only.	rimary Copay:  \$5 \$\sum \$10\$  \$15 \$\sum \$0\$ Other \$\sum \$\sum \$15\$
D. Ind	ividuals Covered - List individu	als for whom you are adding	/changi	ing/removing coverage		* Provi	ide det	tails for "	'Yes" r	esponses below.	Attach	sheet to list addition	al children.	Attach pro	of if full-time	college studen	it if age 25 or older.
(A)dd (C)hange (R)emove	Last Name, First	Name, M.I.	Sex M F	Birthdate  MM DD YYYY	Social Security Number (If dependent has no SSN, write "None")	Other Medical Coverage	Other Rx Dru Covera			Primary Office ID Number (Not required for Aetna Open Access HMO, Aetna Choice POS or Out-of-Network coverages for any plan.)	Current Patient	Dentist Office ID Number (If applicable)	Current Patient	Race/Et	hnicity - Op rmation is de- e used for det	otional signed for the l termining eligib	purpose of data collection and oility, rating or claim payment.)
A	Employee Mock, Sur	ri A		(b) (6)		Yes *	Yes		Yes N/A		Yes 🗆		Yes	Code	Other	Using the	e KEY below, please identify the nnicity code for each individual.
	Spouse			1 1												KEY:	lhito.
	Child			/ /												02 - A	frican American or Black
	Child			/ /											,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	04 - A	ispanic or Latino sian hther (Provide race/ethnicity in
	Child			/ /													Other" column at left)
2. If "Y	es" to Other Medical Coverage above, partification Number.  es" to Other Rx Drug Coverage above, partification Number.	provide effective dates, name & po	licy num	ber of insurance carrier, HM	10, or other source and your <b>Member</b>		em Explai	nployee?	☐ Yes		d what a	ddress?  5. Is yo of s	our spouse pouse's em	employed? ployer.	? □Yes [	No If "Ye	in the circumstances.
	ployee Signature				etna's member self-service we								eive pap	er docum	nents in the	tuture.	
l certi	f have questions concerning the fy that all information supplied in of my knowledge and/or belief. I lead the collment on the reverse side of the	this form is true and comple have read and agree to the	ete to th	ons Employee Signature -		vices rep	resen	itative a	1-80	Do you have a	disabilit	y which affects your a If "Yes," please indi				¿Cuál es	your primary language? s su primer idioma?
Commela			in fram	the effective date if	authorized by ampleyer Co		wat h	a varifia	di4L	h Astro prior to violt	inaaa	nagialist or ada	oioniam t	6	-:1-1		J -

#### Instructions

**Employer -** Complete the **Employer Group Information** at the top of the form.

#### Employee - Complete Sections A - E.

#### Section A - Type of Activity:

- Check box(es) indicating reason(s) for submitting this Enrollment/Change Request.
- Provide Effective Date(s) and Date of Event(s) where requested.

**Section B - Employee Information:** Complete **all** information in order for your Enrollment/Change Request to be processed.

#### Section C - Plan Options:

- Select only an option(s) offered by your employer.
- Check one Plan Option box in the left column. If you have selected the Aetna Health Network Option or Aetna Health Network Only, check one option in the right column.
- Where applicable, indicate Plan Option Name and check one Primary Copay.

#### Section D - Individuals Covered:

- Add/Change/Remove Use "A", "C", or "R" to indicate whether you are adding, changing or removing coverage for an individual.
- Print your full name along with the name(s) of your dependent(s), if applicable. Indicate Sex, Birthdate, and Social Security Number for each individual listed.
- If you or your dependent(s) have **Other Medical Coverage**, check the "Yes" box and provide beginning and ending effective dates, name and policy number of insurance carrier, HMO or other source and your **Member Identification Number** for the insurance plan in the space provided in Number 1.
- If you or your dependent(s) have **Other Rx Drug Coverage**, check the "Yes" box and provide beginning and ending effective dates, name and policy number of insurance carrier, HMO or other source and your **Member Identification Number** for the insurance plan in the space provided in Number 2.
- NOTE: In some instances your medical carrier will differ from your Rx drug carrier.
- If a dependent is Handicapped and financially dependent, check "Yes" and provide proof of handicapped status from the attending physician.
- If a dependent is a full-time Student age 25 or older, check "Yes". You **must** attach a current course schedule or a letter from the school confirming full-time student status (12 or more credits).
- Primary Medical Office ID Number/Primary Dental Office ID Number: Locate the office ID number for the primary care physician and/or dentist (if applicable) from the appropriate provider directory or from "DocFind®", Aetna's online provider directory at "www.aetna.com".
  - NOTE: You are not required to select a primary care physician for the Aetna Open Access HMO or Aetna Choice POS plan options or Out-of-Network coverages for any plan.
- If you are a current patient, please check the "Yes" box under Current Patient.
- Optional Using the KEY provided, please enter the Race/Ethnicity code for each individual. If your Race/Ethnicity is "Other," print the Race/Ethnicity for each individual in the space provided.

#### Section E - Employee Signature:

- Complete this section for all new enrollments or coverage changes.
- Employee must sign and date the Enrollment/Change Request in order for it to be processed.
- By checking the box on the reverse side you agree to use Aetna Navigator, Aetna's member self-service website, for all future printed materials and understand you may choose to receive paper documents in the future.

#### **Conditions of Enrollment**

#### **Applicant Acknowledgments and Agreements**

On behalf of myself and the dependents listed on the reverse side, I agree to or with the following:

- 1. I acknowledge that by enrolling in the following plans, coverage is underwritten or administered by the following entities (collectively referred to as "Aetna"):
  - HMO / Aetna Health Network Only: Aetna Health Inc.
  - QPOS / Aetna Choice POS / Aetna Health Network Option: Aetna Health Inc., Corporate Health Insurance Company, and/or Aetna Life Insurance Company.
- 2. I authorize deductions from my earnings for any contributions required for coverage and I agree to make any necessary payments as required for coverage.
- 3. I understand and agree that this Enrollment/Change Request may be transmitted to Aetna or its agent by my employer or its agent. I authorize any physician, other healthcare professional, hospital or any other healthcare organization ("Providers") to give Aetna or its agent information concerning the medical history, services or treatment provided to anyone listed on this Enrollment/Change Request form, including those involving mental health, substance abuse and HIV/AIDS. I further authorize Aetna to use such information and to disclose such information to affiliates, Providers, payors, other insurers, third party administrators, vendors, consultants and governmental authorities with jurisdiction when necessary for my care or treatment, payment for services, the operation of my health plan, or to conduct related activities. I have discussed the terms of this authorization with my spouse and competent adult dependents and I have obtained their consent to those terms. I understand that this authorization is provided under state law and that it is not an "authorization" within the meaning of the federal Health Insurance Portability and Accountability Act. This authorization will remain valid for the term of the coverage and so long thereafter as allowed by law. I understand that I am entitled to receive a copy of this authorization upon request and that a photocopy is as valid as the original.
- 4. The plan documents (Schedule of Benefits, Group Agreement, Certificate of Coverage, Group Policy, Group Insurance Certificate) will determine the rights and responsibilities of member(s) and will govern in the event they conflict with any benefits comparison, summary or other description of the plan.
- 5. I understand and agree that with the exception of Aetna Rx Home Delivery, all participating providers and vendors are independent contractors and are neither agents nor employees of Aetna. Aetna Rx Home Delivery, LLC, is a subsidiary of Aetna Inc. The availability of any particular provider cannot be guaranteed and provider network composition is subject to change. Notice of the change shall be provided in accordance with applicable state law.
- 6. I understand and agree that, with certain exceptions described in the plan documents, HMO plans only provide coverage for referred benefits, and that, in order to be covered, services must be performed either by a participating primary care physician, or by the participating specialist, hospital, pharmacy, dentist, or other provider as authorized by a referral from a participating primary care physician.
- 7. ATTENTION FEMALE MEMBERS: Your choice of PCP affects your choice of an OB/GYN. In selecting your PCP, remember that your PCP's network affects your choice of OB/GYN. You have the right to receive services from an OB/GYN without first obtaining a referral from your PCP. However, the OB/GYN from whom you receive services must belong to the same network as your PCP. This is another reason to make certain that your PCP's network includes the specialists particularly the OB/GYN and hospitals that you prefer. You are not required to designate an OB/GYN. You may elect to receive your OB/GYN services from your PCP.

#### Misrepresentation

Any person who knowingly and with intent to injure, defraud or deceive any insurance company or other person files an application for insurance or statement of claim containing any materially false information or conceals, for the purpose of misleading, information concerning any fact material thereto commits a fraudulent insurance act, which may be a crime and may subject such person to criminal and civil penalties.



#### GUIDELINES FOR EMPLOYEE RESPIRATOR USE

$\sim \Lambda$	TC	$\sim$	DV	1
CA		UU	RY	ı

TYPE OF	FVC 75% OR MORE						
RESPIRATOR	FEV1/FVC RATION 70% OR MORE						
SELF-CONTAINED	YES						
AIR SUPPLIED							
CONTINUOUS FLOW	YES						
DEMAND	YES						
PRESSURE DEMAND	YES						
CANISTER MASK	YES						
CHEMICAL CARTRIDGE	YES						
MECHANICAL FILTER	YES						
RESPIRATOR WITH BLOWER	YES						

#### **CATEGORY II**

TYPE OF	FVC 60% - 70%
RESPIRATOR	FEV/FVE RATIO 60% - 70% OF PREDICTED
SELF-CONTAINED	1 - 2 HOURS PER DAY
AIR SUPPLIED	
CONTINUOUS FLOW	YES
DEMAND	YES (NO MORE THAN 4 HOURS PER DAY)
PRESSURE DEMAND	YES (NO MORE THAN 4 HOURS)
CANISTER MASK	YES (1 - 2 HOURS PER DAY)
CHEMICAL CARTRIDGE	YES (1 - 2 HOURS PER DAY)
MECHANICAL FILTER RESPIRATOR	YES (1 - 2 HOURS PER DAY)
MECHANICAL FILTER RESPIRATOR WITH BLOWER	YES

#### **CATEGORY III**

TYPE OF	FVC 50% - 60%
RESPIRATOR	FEV/FVC RATIO 50% - 60% OF PREDICTED
SELF-CONTAINED	NO
AIR SUPPLIED	
CONTINUOUS FLOW	EMERGENCY ONLY
DEMAND	EMERGENCY ONLY
PRESSURE DEMAND	EMERGENCY ONLY
CANISTER MASK	NO
CHEMICAL CARTRIDGE	NO
MECHANICAL FILTER RESPIRATOR	NO ·
MECHANICAL FILTER RESPIRATOR WITH BLOWER	EMERGENCY ONLY

EMERGENCY ONLY MEANS BRIEF PERIODS WHEN NEEDED TO GO INTO OR TO GET OUT OF AN AREA, 15 TO 30 MINUTES AT MOST.

Spirometry Report

Puritan-Bennett Renaissance II

S/N: Version:

ID:

G080700627

1.1.11

Name: Gender: Medication: Dosage:

CABRERA-MOCK, SUZI **FEMALE** 

Height: Age: Weight: Smoker:

65" Physician: echnician:

Pack Yrs Ethnicity/Correction: CAUCASIAN

CONCENTRA I-10 EAST

BEST 3 FVC/FVL REPORT

Sensor Code: Temperature:

Session Date:

Session Time:

Last Cal Check:

847360 72F

25SEP2008

25SEP2008

12:05PM

Barometric Press: 760mmHg BTPS Correction: 1.104

Normals:

KNUDSON 83

< Indicates Below LLN

Clinical Format:

PREMED - 12:06PM Best Criteria:

* Indicates Best Value

**Pred** LLN 2.70 <u>MEASUREMENT</u> Trial 2 %Pred Trial 3 Trial 1 FVC (L) 3.61* 3.52 3.51 FEV1 (L) 2.85* 2.72 2.08 2.84 79 94 81 76 84 72 FEV1% 2.98 2.41 FEF25-75 (L/S) 2.78* 3.40 81 PEF(L/S) 4.16* 5.01 4.17 6.43 FET (S) 6.89* 7.08 6.50

BEST FEV1%

79*

Report Summary:

Pre Med:

Tests 3 Acceptable 3 Reproducible 2 FVC VAR:

40ML FEV1 VAR:

12ML PEF VAR:

100.0%

855ML/S

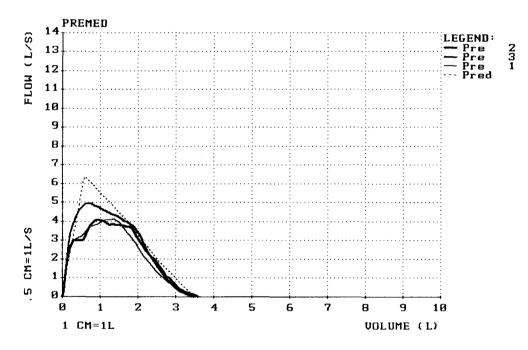
ATS Interpretation:

Lung Age: 41 YRS

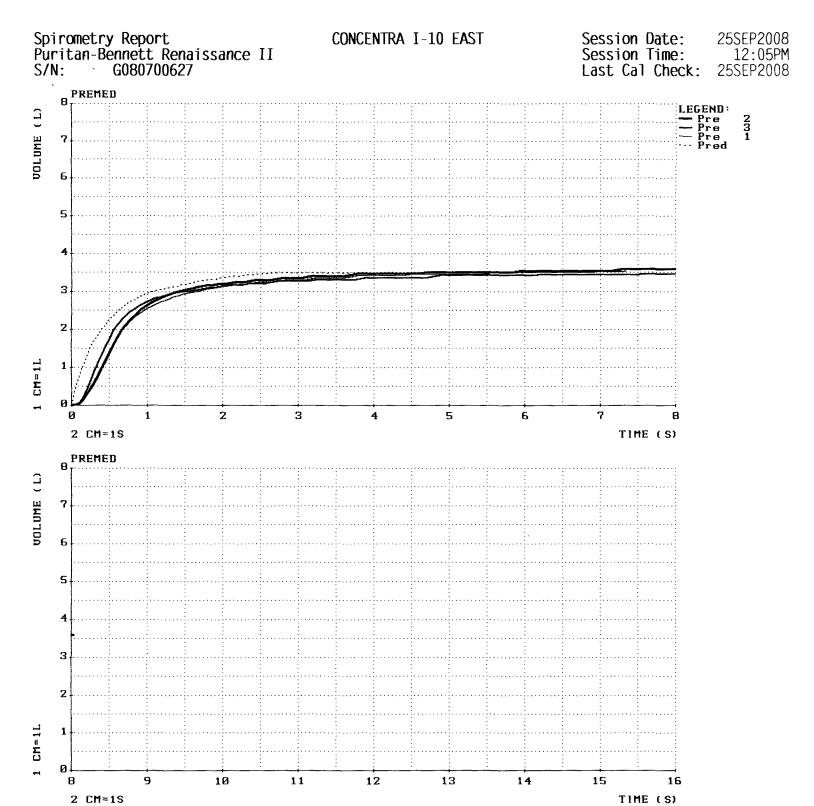
PREMED - Normal Spirometry

COPD Risk 2% If stop smoking: 1%

Comment:









#### GUIDELINES FOR EMPLOYEE RESPIRATOR USE

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CA		_		( )	к	Y	
$\sim$		-	v	v			•

TYPE OF	FVC 75% OR MORE
RESPIRATOR	FEV1/FVC RATION 70% OR MORE
SELF-CONTAINED	YES
AIR SUPPLIED	
CONTINUOUS FLOW	YES
DEMAND	YES
PRESSURE DEMAND	YES
CANISTER MASK	YES
CHEMICAL CARTRIDGE	YES
MECHANICAL FILTER	YES
RESPIRATOR WITH BLOWER	YES

#### **CATEGORY II**

TYPE OF	FVC 60% - 70%
RESPIRATOR	FEV/FVE RATIO 60% - 70% OF PREDICTED
SELF-CONTAINED	1 - 2 HOURS PER DAY
AIR SUPPLIED	
CONTINUOUS FLOW	YES
DEMAND	YES (NO MORE THAN 4 HOURS PER DAY)
PRESSURE DEMAND	YES (NO MORE THAN 4 HOURS)
CANISTER MASK	YES (1 - 2 HOURS PER DAY)
CHEMICAL CARTRIDGE	YES (1 - 2 HOURS PER DAY)
MECHANICAL FILTER RESPIRATOR	YES (1 - 2 HOURS PER DAY)
MECHANICAL FILTER RESPIRATOR WITH BLOWER	YES

#### **CATEGORY III**

TYPE OF	FVC 50% - 60%
RESPIRATOR	FEV/FVC RATIO 50% - 60% OF PREDICTED
SELF-CONTAINED	NO
AIR SUPPLIED	
CONTINUOUS FLOW	EMERGENCY ONLY
DEMAND	EMERGENCY ONLY
PRESSURE DEMAND	EMERGENCY ONLY
CANISTER MASK	NO
CHEMICAL CARTRIDGE	NO
MECHANICAL FILTER RESPIRATOR	NO .
MECHANICAL FILTER RESPIRATOR WITH BLOWER	EMERGENCY ONLY

EMERGENCY ONLY MEANS BRIEF PERIODS WHEN NEEDED TO GO INTO OR TO GET OUT OF AN AREA, 15 TO 30 MINUTES AT MOST.

#### **Advanced Toxicology Network** 4900 Outland Center Drive Ste 103 MEMPHIS, TN 38118 (888) 290-1150

#### **UDS Result Form**

Result Information

Center: Address: CMC - Houston I-10 East

City:

10909 East Frwy Houston, TX 77029

Attn:

CMC/TX-HOUSTON I-10 EAST

Patient Name :

Cabrera-Mock, Suzi

Patient SSN:

Profile:

DRUG SCREEN: 10 PANEL

Reason:

Pre-Employment

Rejection:

Date Collected: 09/25/2008

Time: 11:50 AM

Date Received: 09/25/2008 Date Reported: 09/29/2008

Time: 10:27 PM

Time: 10:10 AM

Creatinine:

Specimen ID:

Result:

Status :

Sub Acct:

Location:

Ph:

Specific Grav:

Screened Summary								
<u>Drug</u>	Cutoff/GCMS	Cutoff/Screen						
Amphetamine	500	1000						
Barbiturates	200	300						
Benzodiazepines	200	300						
Benzoyleogonine	150	300						
Carboxy-THC	15	50						
Methadone	200	300						
Methaqualone	200	300						
Opiates	2000	2000						
Propoxyphene	200	300						
Phencyclidine	25	25						

**Comment Summary** 

316665878

NEGATIVE

Reported

NDOT

Contact Name: Prabhakar Thangudu

Mail Address: 4904 Griggs Rd

**CES Environmental** 

**HOUSTON,TX 77021** 

Comment

Result Summary

Janet Putnam, Lab Director

#### **Concentra Medical Centers**

10909 East Frwy Houston, TX 77029
Phone: (713) 973-7943 Fax: (713) 973-7947

Physical Exam

Service Date: 09/25/2008

PHYSICAL EXAM		IZI		SSN: (b)	6)		I	<b>Date</b> : 09	9/25/2008
		136.	Temp	erature:	Vi	sion: Uncorred	cted Corrected		Visual Eields
B/P Resting				eat B/P ,	_	Near Rt	k KA		Rt 95 o
(2 min of ex)	Pulse	е — —	- ,		-	Lt 1	2014) Lt		Lt 65 0
Respirations/min	_	10		1/		Distant Rt 2	Distant Rt		Color NI AB
Hearing to forced	whisp	er @ 5	feet	Rt CIC		Lit	2020 Lt		Depth Perception
ū	•					2			(NI) AB
				Heart			Reflexes		<b>O</b> 1
HEENT				Rhythm	ŊL	AB	Babinski		NL AB
Eyes				Auscultation	NL	AB	Romberg		NEG POS
Globe	NL	AB		Abdomen	ŅL	AB	Pupillary	Rt	NL AB
Pupils		AB		Abd. surg. scar	Ŋ	Υ	r apmary	Lt	NL AB
EOM's	NL	AB		<u>Hernia</u>			Accom.	Rt	NL AB
Funduscopic	ŇL	AB		 Umbilical	N	Υ		Lt	NL AB
Ocular Pressur	e:			Inguinal	N	Υ	Biceps	Rt	NL AB
Rt	NL	AB		Femoral	N	Υ	•	Lt	NL AB
Lt	NL	AB		Varicocele	N	Υ	Knee	Rt	NL AB
<u>Ears</u>				Upper Extremity	NL	AB		Lt	NL AB
Canal Clear	*	N		Hands/Fingers	NL	AB	Ankle	Rt	NL AB
TM Visualized	4	N		Legs	NL	AB		Lt	NL AB
Scarring of TM	Ŋ	Υ		Knees	NL	AB	Propriocept	ion	
Drainage	N	Υ		Knee surg. scar	N	Υ	Up. Ext.	Rt	NL AB
Nose	NL	AB		Feet/ankles	NL	AB		Lt	NL AB
<u>Mouth</u>				Varicosities	ΝL	AB	Low. Ext.	Rt Lt	NL AB NL AB
Teeth	ŊL	AB		Up. ext. strength	NL	AB	Sensory Ex	•	1
Throat	NL	AB		Up. ext. ROM	NĻ	AB			<del></del>
Skin	NL	AB		Low. ext. strength	ΝĻ	AB	Up. Ext.	Rt Lt	NL AB NL AB
Neck	NL	AB		Low. ext. ROM	ΝĻ	AB	Low. Ext.		NL AB
Thyroid	NL	AB		Back/spine ROM	NL	AB	LOW: LAL	Lt	NL AB
Chest Wall	NL	AB		Back surg. scar	N	Υ	OPTIONAL:		3· <del>-</del> · · · <del>-</del>
Lungs	NL	AB		Neurological Exam:	1		Genitalia	-	NL AB
	Ì			Cran. nerves 2-12:	NĻ	AB	Breast		NL AB
Comments:							Rectal		NL AB
ANCILLARY STU Urinalysis Spec. EKG Comments:	Gravit	y: \	) (Ú ÁB	AlbuminSue Results	gar ₋	HPE	Blood NL AB	5	
Lumbar X-Ray Comments:	N/A	NL	AB	See Results	-		unction Test: /C FEV1/FV0 ualified? Y N	c	
Chest X-Ray Comments:	N/A	NL	AB	See Results	-	Comments: _		· · · · · · · · · · · · · · · · · · ·	
Blood Analysis Comments:	N/A	NL	AB	See Results	-	Impairment F Comments:			
Audiogram Comments:	N/A	NL	AB	See Results	-				

Eval - Pre-Placement

Page 3 of 4

Revision Date: 01/14/2004

#### **Concentra Medical Centers**

10909 East Frwy Houston, TX 77029 Phone: (713) 973-7943 Fax: (713) 973-7947

**Physical Exam** 

SSN(b) (6)

Service Date: 09/25/2008

Date: 09/25/2008

**Examination Results** 

Able to perform essential functions as listed.	
Unable to perform all essential functions as listed. Please list failed essential function(s):	
No medical restrictions are indicated.	
The following medical restrictions are indicated:	
Recommend further evaluation.	
Remarks:	

and hold

Name: Cabrera-Mock, Suzi

#### **Advanced Toxicology Network** 4900 Outland Center Drive Ste 103 MEMPHIS, TN 38118 (888) 290-1150

#### **UDS Result Form** Result Information

Center:

CMC - Houston I-10 East

Address: City:

10909 East Frwy Houston, TX 77029

Attn:

CMC/TX-HOUSTON I-10 EAST

Patient Name:

Cabrera-Mock, Suzi

Patient SSN:

Profile:

DRUG SCREEN: 10 PANEL

Reason:

Rejection:

Pre-Employment

Date Collected: 09/25/2008

Time: 11:50 AM Time: 10:27 PM

Date Received: 09/25/2008

Date Reported: 09/29/2008

Time: 10:10 AM

Creatinine:

Comment

Specific Grav:

Specimen ID:

Result:

Status:

Sub Acct :

Location:

Screened Summary					
<u>Drug</u>	Cutoff/GCMS	Cutoff/Screen			
Amphetamine	500	1000			
Barbiturates	200	300			
Benzodiazepines	200	300			
Benzoyleogonine	150	300			
Carboxy-THC	15	50			
Methadone	200	300			
Methaqualone	200	300			
Opiates	2000	2000			
Propoxyphene	200	300			
Phencyclidine	25	25			

Comment	Summary

316665878

**NEGATIVE** 

Reported

NDOT

Contact Name: Prabhakar Thangudu

Mail Address: 4904 Griggs Rd

**CES Environmental** 

**HOUSTON,TX 77021** 

**Result Summary** 

Janet Putnam, Lab Director

Date Printed: 09/30/2008 05:56:10

Page 1 of 1

## EXCUSE SLIP

# SEI CHANG OH, M.D. 515 Archie #3 Vidor, TX 77662

Telephone: (409) 769-2295

Date_5-5	-09		
Please Exc	use Suzi	Mack	
FROM:	₩ork     ✓ Work     ✓ Wo	☐ School	□ P.E.
☐ Othe	£		
	☐ Injury		
LXI Othe	· C		
From 5-4-	09	to 5-5-(	09
Pati	ent insist	ed on returni	ing to work.
		***	

Thank You,

Subscriber Name (Pleas	e Print	Mock	SSN or Member #:	(b) (6)				AMERICAN AND AND AND AND AND AND AND AND AND A		north and and
Name Change	From (Name):		pudarous promise a vieta.	To (	Name):	44 / A 1 - 38		e e libera i de e e e		
Address Change	New Address:	Personal and comment of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states of the special states o		······································						K-TOTOGORNAL AND THE
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Home | Child Support F

<b>Employer Home</b>	User Administration	My Account	Data Transfer	Logout
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	× /	New Hires	Terminations	Verification of Employment	Medical Support	Wage Withholding	Payments	
General Information All submitted records for the company(s) you are authorized to report on may be viewed					viewed, edit	ed, or printed		
Online Reporting This is a record of the current daily work and is only available prior to the processing of the record.						cord.		

Report Termination

View Today's Activity

To edit a record, click the number in the Edit column.

To print the detail of today's activities, click the Print button on your browser.

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Portal Tips | Accessibility | Privacy & Security Policy



### **Group Protection**

Member Detail

Online Services

How Do I | Profile | Help | Logoff | Change Password

Home | Member | Billing | Policy | Forms | Admin Guide | Participating Dentists | Requests | Claims | Electronic Payment | Alerts | Work Queue | Delegated Admin | Member Access | Group Information | Contact Us

Mock, Suzi A. as of 06-30-2009 SSN (b) (6)

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Sex Hire Date Term Date

Address

**Birthdate** 

Female 09-25-2008 06-30-2009

Refresh

Name Salary Occupation Rehire Date Status Mock, Suzi A.

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Inventory/Maintenance

Terminated

Note: To view changes with a future effective date enter the date of the change and press refresh.

Coverages

Coverage	<b>Effective</b>	Termed	Status	Sub Status	Class	Tier/Volume	Premium Ac	count
AD&D	12-01-2008	06-30-2009	T		1 - All Full-Time Employees		74	7080
Life	12-01-2008	06-30-2009	T		1 - All Full-Time Employees		74	7080
Voluntary Life	02-01-2009	06-30-2009	T		1 - All Full-Time Employees		74	7080
Voluntary AD&D	02-01-2009	06-30-2009	Т		1 - All Full-Time Employees		74	7080

Dependents

SSN First Last Sex Birthdate Effective Termed Student Units Relation

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This notice contains important information about your right to COBRA continuation coverage, which is a temporary extension of coverage under the Plan. This notice generally explains COBRA continuation coverage, when it may become available to you and your family, and what you need to do to protect the right to receive it.

The right to COBRA continuation coverage was created by a federal law, the Consolidated Omnibus Budget Reconciliation Act of 1985 (COBRA). COBRA continuation coverage can become available to you when you would otherwise lose your group health coverage. It can also become available to other members of your family who are covered under the Plan when they would otherwise lose their group health coverage. For additional information about your rights and obligations under the Plan and under federal law, you should review the Plan's Summary Plan Description or contact the Plan Administrator.

#### What is COBRA Continuation Coverage?

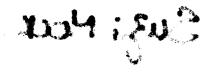
COBRA continuation coverage is a continuation of Plan coverage when coverage would otherwise end because of a life event known as a "qualifying event." Specific qualifying events are listed later in this notice. After a qualifying event, COBRA continuation coverage must be offered to each person who is a "qualified beneficiary." You, your spouse, and your dependent children could become qualified beneficiaries if coverage under the Plan is lost because of the qualifying event. Under the Plan, qualified beneficiaries who elect COBRA continuation coverage must pay for COBRA continuation coverage.

If you are an employee, you will become a qualified beneficiary if you lose your coverage under the Plan because either one of the following qualifying events happens:

- Your hours of employment are reduced, or
- Your employment ends for any reason other than your gross misconduct.

If you are the spouse of an employee, you will become a qualified beneficiary if you lose your coverage under the Plan because any of the following qualifying events happens:

- Your spouse dies;
- Your spouse's hours of employment are reduced;
- Your spouse's employment ends for any reason other than his or her gross misconduct;
- Your spouse becomes entitled to Medicare benefits (under Part A, Part B, or both); or
- You become divorced or legally separated from your spouse.
- Your dependent children will become qualified beneficiaries if they lose coverage under the Plan because any of the following qualifying events happens:
- The parent-employee dies;
- The parent-employee's hours of employment are reduced;
- The parent-employee's employment ends for any reason other than his or her gross misconduct;
- The parent-employee becomes entitled to Medicare benefits (Part A, Part B, or both);
- The parents become divorced or legally separated; or
- The child stops being eligible for coverage under the plan as a "dependent child."



#### When is COBRA Coverage Available?

The Plan will offer COBRA continuation coverage to qualified beneficiaries only after the Plan Administrator has been notified that a qualifying event has occurred. When the qualifying event is the end of employment or reduction of hours of employment, death of the employee, or the employee's becoming entitled to Medicare benefits (under Part A, Part B, or both), the employer must notify the Plan Administrator of the qualifying event.

#### You Must Give Notice of Some Qualifying Events

For the other qualifying events (divorce or legal separation of the employee and spouse or a dependent child's losing eligibility for coverage as a dependent child), you must notify the Plan Administrator within 60 days after the qualifying event occurs. You must provide this notice to your Human Resource and Support Services Supervisor. You will need present the appropriate documentation supporting your request for COBRA coverage (e.g., Birth Certificate, Certificate of Divorce or Legal Separation...etc).

#### How is COBRA Coverage Provided?

Once the Plan Administrator receives notice that a qualifying event has occurred, COBRA continuation coverage will be offered to each of the qualified beneficiaries. Each qualified beneficiary will have an independent right to elect COBRA continuation coverage. Covered employees may elect COBRA continuation coverage on behalf of their spouses, and parents may elect COBRA continuation coverage on behalf of their children.

COBRA continuation coverage is a temporary continuation of coverage. When the qualifying event is the death of the employee, the employee's becoming entitled to Medicare benefits (under Part A, Part B, or both), your divorce or legal separation, or a dependent child's losing eligibility as a dependent child, COBRA continuation coverage lasts for up to a total of 36 months. When the qualifying event is the end of employment or reduction of the employee's hours of employment, and the employee became entitled to Medicare benefits less than 18 months before the qualifying event, COBRA continuation coverage for qualified beneficiaries other than the employee lasts until 36 months after the date of Medicare entitlement. For example, if a covered employee becomes entitled to Medicare 8 months before the date on which his employment terminates, COBRA continuation coverage for his spouse and children can last up to 36 months after the date of Medicare entitlement, which is equal to 28 months after the date of the qualifying event (36 months minus 8 months). Otherwise, when the qualifying event is the end of employment or reduction of the employee's hours of employment, COBRA continuation coverage generally lasts for only up to a total of 18 months. There are two ways in which this 18-month period of COBRA continuation coverage can be extended.

#### Disability extension of 18-month period of continuation coverage

If you or anyone in your family covered under the Plan is determined by the Social Security Administration to be disabled and you notify the Plan Administrator in a timely fashion, you and your entire family may be entitled to receive up to an additional 11 months of COBRA continuation coverage, for a total maximum of 29 months. The disability would have to have started at some time before the 60th day of COBRA continuation coverage and must last at least until the end of the 18-month period of continuation coverage. You will need to provide the appropriate supporting documentation in order to request a disability extension of coverage.

#### Second qualifying event extension of 18-month period of continuation coverage

If your family experiences another qualifying event while receiving 18 months of COBRA continuation coverage, the spouse and dependent children in your family can get up to 18 additional months of COBRA continuation coverage, for a maximum of 36 months, if notice of the second qualifying event is properly given to the Plan. This extension may be available to the spouse and any dependent children receiving continuation coverage if the employee or former employee dies, becomes entitled to Medicare benefits (under Part A, Part B, or both), or gets divorced or legally separated, or if the dependent child stops being eligible under the Plan as a dependent child, but only if the event would have caused the spouse or dependent child to lose coverage under the Plan had the first qualifying event not occurred.

#### If You Have Questions

Questions concerning your Plan or your COBRA continuation coverage rights should be addressed to the contact or contacts identified below. For more information about your rights under ERISA, including COBRA, the Health Insurance Portability and Accountability Act (HIPAA), and other laws affecting group health plans, contact the nearest Regional or District Office of the U.S. Department of Labor's Employee Benefits Security Administration (EBSA) in your area or visit the EBSA website at <a href="www.dol.gov/ebsa">www.dol.gov/ebsa</a>. (Addresses and phone numbers of Regional and District EBSA Offices are available through EBSA's website.)

#### Keep Your Plan Informed of Address Changes

In order to protect your family's rights, you should keep the Plan Administrator informed of any changes in the addresses of family members. You should also keep a copy, for your records, of any notices you send to the Plan Administrator.

#### **Plan Contact Information**

Aetna PO Box 88874 Chicago, Il 60695-1874 1-800-323-9930

Please sign below indicating that you have read and understand the terms of your rights to continued medical coverage under the Consolidated Omnibus Budget Reconciliation Act.

Employee Name (print) Date: U/8/09

Employee Signature Dig Mode

Read instructions carefully before completing this form. The instructions must be available during completion of this form.

ANTI-DISCRIMINATION NOTICE: It is illegal to discriminate against work-authorized individuals. Employers CANNOT specify which document(s) they will accept from an employee. The refusal to hire an individual because the documents have a future expiration date may also constitute illegal discrimination.

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completion of this form.		A lawful perm	nanent resident (Alien #)	
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Employee Signature	. 1.	Date (month/day/y		00
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## PROPRIETARY and CONFIDENTIAL Property of CES Environmental Services, Inc.

## **CES/PACES Company Policy**

THINK USE GOOD JUDGMENT	CES Environmental Services, Inc.	YOUR ATTITUDE COUNTS
Date Issued: <u>07/24/2007</u>	DEPARTMENT(S):  -Operations -Processing -Maintenance and Field Services -Sales, Finance, and Administration	Revised Date: <u>06/04/2009</u>
Policy Number: <u>07-008</u>	Policy Title: Time Card Use	Policy Description: Explanation of when Hourly Employees need to clock in and clock out.

#### 1 Purpose:

This Policy is in place in order to ensure CES Environmental Services, Inc. (CES) and Port Arthur Chemical and Environmental Services, LLC (PACES) Employees are correctly compensated for their time and that the company is managed as efficiently as possible.

#### 2 General:

All Hourly and Salary **Employees** are required to clock in and out to correctly represent the time spent working for the company. Repeated failure to clock in or out will result in disciplinary action up to and including termination.

The only **Employees** exempt from punching the time clock are **Drivers** (when they are out of town); as well as those individuals expressly authorized by the President of CES/PACES. **Drivers** who are out of town are required to keep a log of all driving and work hours; which should be submitted to their **Logistics Supervisor** for approval.

If an Employee cannot remember if he/she punched or not, it is always better to punch again. If the Employee forgets to punch his/her time clock, they must inform their Upper or Mid Level Manager immediately. The Upper or Mid Level Manager will then report the missed punches to the Office Supervisor for corrections.

Furthermore, all **Employees** are required to take a minimum thirty (30) minute lunch break and to clock out and in before and after the lunch break. Failure to clock out or in for lunch will result in a deduction of one (1) hour for that day, regardless of whether or not the **CES Employee** actually took a one (1) hour lunch break.

Employee Name: Suz Mall Signature Suz Mall Date: 4/8/09

#### FAIR CREDIT REPORTING STATEMENT

By this document, CES Environmental Services, Inc discloses to you that a consumer report, including an investigative consumer report containing information as to your character, general reputation, personal characteristics, and mode of living, may be obtained for employment purposes as part of the pre-employment background investigation and at any time during your employment. Should an investigative consumer report be requested, you will have the right to demand a complete and accurate disclosure of the nature and scope of the investigation requested and a written summary of your rights under the Fair Credit Reporting Act. Please sign below to signify receipt of the foregoing disclosure.

Signature of Candidate

HR Representative Signature

<u>U/8/09</u> Date

## BEAUMONT BONE AND JOINT INSTITUTE

3650 LAUREL BEAUMONT, TEXAS 77707 (409) 838-0346

Revised 4/06

2501 JIMMY JOHNSON BLVD., SUITE 400 PORT ARTHUR, TEXAS 77640 (409) 729-5633

This patient Scar Mock (may) (may not) return to his / her (regular) (light) (work) (P.E.) on 6/8/09,
forweeks.
Restrictions Do weight on Oeft foot  et any time  Kept his / her appointment in our office
Please excuse his / her absence.
Date: 6/3/09 M.D.

SUZ MOCK

## PROPRIETARY and CONFIDENTIAL

Property of CES Environmental Services, Inc & Port Arthur Chemical & Environmental Services, LLC.

Environmental Se	ervices, LLC.
Please check one:  CES Environmental Services, Inc.  Port Arthur Chemical and Environmental, LLC  EMPLOYMENT	POSITION APPLYING FOR  Position:  Date Available:
APPLICATION  Equal Opportunity Employer  COMPLETE THIS APPLICATION IN ITS ENTIRETY.  Type or Print in Blue or Black Ink.  Specify the Position for which you are applying.  Sign your Name on the back of the Application. All Information p  Applications that are not completed in their entirety will not be com  Note: You may be required to complete a Post-Offer Medical Exa Employment.  Applications for Employment are retained in CES Environmental S  Applicants must reapply after that time if they are interested in specific	sidered for Employment reasons. mination and/or Drug Screen as a condition of ervices, Inc. Active File for 60 Days only.
Personal Information  (b)  Name  Other Names Used (b) (6)  Home Phone (b) (6)  Business Phone	(6) Social Security Number Date of Blith  Drivers License  Cell Phone
Email Address	
When will you be available for Employment? What Will you Travel? Yes No Relocate? Yes No Indicate any Travel or Relocation Limitations: Are you at least 18 Years of Age? Yes No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocation Limitations: No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate? Yes No Indicate any Travel or Relocate?	Part-Time Position Temporary Position Schedule are you Available to Work? 1st 2nd 3rd No Do You Possess a TWIC card? Yes No Do

Property of CES Environmental Services, Inc & Port Arthur Chemical & Environmental Services, LLC.

Personal Information (Co	ontinued from First Page)				
and Offenses which have Yes ☐ No ☐ If Yes	riminal Charge against you and been Annulled, Expunged or S s, please explain below. You m ment with CES Environmental	ealed by the Court? hay attach another S	heet if necessa	ary. Note: A Convid	ction Record will not
Nature of Charge		Disposition		Da	te
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Other					
Job Related Skills, Traini					
Please list any Job related	Skills, Certifications or Trainin		ou TWIC certi	fied? Yes 🔀 No	
At what Proficiency Level	Speak??				
Military Service History					
Are you currently or have If so, which Branch of Ser What was your Discharge					st Guard □
Service Entry Date	JIA	Disch	narge Date	NA	
Comments (Note any Spec	eial Training or Recognition rec	ceived):			

## Property of CES Environmental Services, Inc & Port Arthur Chemical & Environmental Services, LLC.

List each Position held, starting with your most recent. Account for all periods of time, including Full-Time, Part-Time, and Temporary Employment as well as periods of Unemployment. List the Duties you performed and identify Product Lines, Processes, Equipment, Materials, and Financial Responsibilities. Please use additional paper if necessary. PLEASE COMPLETE IN ITS ENTIRETY. CONTACT INFORMATION IS REQUIRED.

Address City State Zip Code  Duties  Reason for Leaving  May we Contact this Employer? Yes  No  Dates (Month/Year)  Name of Present or Previous Employer  Name of Present or Previous Employer  Supervisor's Title Starting Pay Ending Pay  Supervisor  Supervisor's Title Phone  Address City State Zip Code  Duties  Reason for Leaving  May we Contact this Employer? Yes  No  Dates (Month/Year)  Previous Employment	Previous Employment				
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Name of Present or Previous Employer  Starting Title  Present/Last Title  Starting Pay  Ending Pay  Supervisor  Supervisor's Title  Phone  Address  City  State  Zip Code  Duties  Reason for Leaving	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya de la companya del companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la co	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o			
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Reason for Leaving	Address	City	State	Zip Code	
	Duties				
May we Contact this Employer? Yes □ No □	Reason for Leaving				
	May we Contact this Employer?	Yes □ No □			

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References (Please list Three	References)		
Name	Relationship		
Title	Telephone #	Work	Home
Name	Relationship		
Title	Telephone #	Work	Home
Name	Telephone #	Work	Home
Title	Relationship		
Authorization for Background	d Check		
Performance or other Investiga Agencies and Consumer Inform Certify that all of the Informati my knowledge. I also hereby other Persons, Companies, Sch potential liability arising from Compilation or use of such Rep	at limited to Information regarding my Criminal Relative Reports, from such Agencies which may include ation/Credit Bureaus. I acknowledge that I have reson on the attached Data Sheet and in my Applicat release CES and PACES and its Officers, Directorols, Consumer Information Agencies, Records Satinquiries by CES and PACES and its Agents orts regarding me.	clude, but are not limited to, ad the Information contained ion for Employment is true a ars, Shareholders, Employees earch Firms and other Entities in connection with the Bartham and the Employees.	Criminal Records Search on this Form carefully and nd complete to the best of and other Agents and all es of and from any and all
Signature:		Date:	
Printed Name:			
Acknowledgements			
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and agreed that any misrepresen from CES Environmental Service Employed. Furthermore, I unde Employment at any time, with of the contrary. Further, I understate to be an offered Contract or a Co	contained in this Application (and/or accompanyin tation made in this Application (and/or accompanyings, Inc. (CES) or Port Arthur Chemical & Environerstand that I am free to Resign at any time, and CE or without notice, and that no Representative of CES and that neither this Application nor any Handbook contract between CES or PACES and any of its Empirical and Procedures. I acknowledge and understand	ing Resume) will be sufficient mental Services, LLC. (PACE S or PACES reserves the right or PACES has the authority for Employees is intended to ployees. If Employed by CES	at cause for separation ES) if I have been to Terminate my to make assurances to be or shall be construed or PACES, I agree to
Signature:	Date:		

## Reference Verification: Authorization for Release of Information Non - DOT Regulated Positions

This section to be completed by prospective employer and signed by the applicant. Employee Printed or Typed Name: MOMC Employee SS or ID Number: I hereby consent to and authorize CES or its designated agent to obtain one or more consumer/investigative reports in connection with my application for employment. Such reports may include, but are not limited to information regarding my criminal record, driving record, credit, employment history and performance, or other investigative reports, from such agencies which may include, but are not limited to, criminal records search agencies and consumer information/credit bureaus. I acknowledge that I have read the information contained on this form carefully and certify that all of the information on the attached data sheet and in my application for employment are true and complete to the best of my knowledge. I also hereby release CES Environmental Services, Inc. and its officers, directors, shareholders, employees and other agents and all other persons, companies, schools, consumer information agencies, records search firms and other entities of and from any and all potential liability arising from inquiries by CES and its agents in connection with the background checks and/or compilation or use of such reports regarding me. CES Environmental Services, Inc Prospective Employer: 4904 Griggs Rd Houston, TX 77021 Office: 713-676-1460 Fax: 713-676-1676 Attn: Human Resource Previous Employer Name: Address: Fax: _____ Phone: This section to be completed by the Previous Employer and transmitted by mail or fax to Prospective Employer. 1. Please verify dates of employment _____ 2. Please provide description of duties 3. Was this employee timely and dependable? Yes  $\square$  No  $\square$  Honest? Yes  $\square$  No  $\square$ 4. Is this employee eligible for rehire? Yes □ No □

Name of the person providing the verification information:

Phone: _____ Date: ____

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## Reference Verification: Authorization for Release of Information DOT Regulated Positions

inis Section to be completed by prospe	ective Employer and Signed by the Applicant.
Employee Printed or Typed Name:	
Employee SS or ID Number:	
Records by my previous Employer(s).  I understand that Information to be rel  Alcohol Tests with a result of 0  Verified Position Drug Tests.  Refusals to be Tested.  Other Violations of DOT Agen  Information obtained from pre	mation from my Department of Transportation regulated Drug and Alcohol Testing This release is in accordance with DOT Regulation 49 CFR Part 40, Section 40.25. leased is limited to the following DOT Regulated Items: 0.04 or Higher.  The Drug and Alcohol Testing Regulations. evious Employers of a Drug and Alcohol Rule Violation. eletion of the return to Duty Process following a Rule Violation.
Employee Signature:	Date:
Prospective Employer:	CES Environmental Services, Inc. 4904 Griggs Road Houston, TX 77021 Office: 713-676-1460 Fax: 713-676-1676 Attn: Human Resource
Previous Employer Name:	
Address:	
Phone:	Fax:
This Section to be completed by the Pre	evious Employer and Transmitted by Mail or Fax to Prospective Employer.
5. Did a previous Employer Report a 6. If you answered "Yes" to any of the NOTE: If you answered "Yes" to Item 6, you must also Transmit the appropri	sition Drug Tests?
	Phone:

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are as it appears on your License rease print any other Names you have used rease print any other Names you have used rece Asian Black (Non-Hispanic) Hispanic White Other rece Asian Black (Non-Hispanic) Hispanic White Other rece Asian Black (Non-Hispanic) Hispanic White Other rece Asian Black (Non-Hispanic) Hispanic White Other Regulated Employer (s) in a Safety resistive Position during the Two Years prior to the Date of this Application or Transfer? Yes No received Certify that the Information set forth in this Application is true and may be verified. I understand that Falsificatements or Omissions from this Form shall be considered sufficient reason for Rejection of my Application for apployment. If already Employed, such Falsification shall be considered sufficient cause for Dismissal.  CTION A  asse list all DOT Regulated Employers you have either applied to or been Employed with in a Safety Sensitive Positing the Two Years prior to this Date of Application:  Impany Name  Impany Name  Position Dates of Employment  Dates of Employment  Dates of Employment  Dates of Employment  Dates of Employment  Dates of Employment	f you are applying for a P		OT Regulation, please con	mplete the following Information
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we you applied to or been Employed with a Department of Transportation (DOT) Regulated Employer(s) in a Safety nsitive Position during the Two Years prior to the Date of this Application or Transfer? Yes \( \) No \( \) we so, please complete Section A of this Application. If No, please Sign below, ereby Certify that the Information set forth in this Application is true and may be verified. I understand that Falsific attements or Omissions from this Form shall be considered sufficient reason for Rejection of my Application for apployment. If already Employed, such Falsification shall be considered sufficient cause for Dismissal.  **CTION A** **asse list all DOT Regulated Employers you have either applied to or been Employed with in a Safety Sensitive Positing the Two Years prior to this Date of Application:  **mpany Name**  **dress** **one**  **Position**  **Position**  **Dates of Employment**  **Dates of Employment**  **Dates of Employment**  **Position**  **Dates of Employment**  **Dates of Employment**  **Position**  **Dates of Employment**  **Managery Name**  **Dates of Employment**  **Managery Name**  **Dates of Employment**  **Managery Name**  **Dates of Employment**  **Managery Name**  **Dates of Employment**  **Managery Name**  **Dates of Employment**  **Managery Name**  **Managery Name**  **Managery Name**  **Dates of Employment**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**  **Managery Name**	Please print any other Nam	nes you have used		
nsitive Position during the Two Years prior to the Date of this Application or Transfer? Yes No pees, please complete Section A of this Application. If No, please Sign below, ereby Certify that the Information set forth in this Application is true and may be verified. I understand that Falsifie tements or Omissions from this Form shall be considered sufficient reason for Rejection of my Application for imployment. If already Employed, such Falsification shall be considered sufficient cause for Dismissal.  **CTION A**  **asse list all DOT Regulated Employers you have either applied to or been Employed with in a Safety Sensitive Positing the Two Years prior to this Date of Application:  **mpany Name**  **dress**  **position**  **Position**  **Dates of Employment**  **mpany Name**  **dress**  **position**  **Dates of Employment**  **mpany Name**  **dress**  **position**  **Dates of Employment**  **mpany Name**  **dress**  **position**  **Dates of Employment**  **mpany Name**  **dress**  **position**  **Dates of Employment**  **mpany Name**  **dress**  **position**  **Dates of Employment**  **mpany Name**  **dress**  **position**  **position**  **Dates of Employment**  **mpany Name**  **dress**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **position**  **positio			☐ Hispanic White	□ Other □
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Please turn this Page over to complete Section Two of this Application.

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#### DOT Regulated Positions (Continued)

Have you Violated any of the DOT Drug/Alcohol Violations listed below with any DOT Regulated Employer(s) that you have either applied to or been Employed with during the past Two Years prior to the Date of this Application?

DOT Drug/Alcohol Violations

- 1. Alcohol Test with a result of .04 or Higher Alcohol Concentration.
- 2. Verified Position Drug Test.
- 3. Refusals to be Tested (including Verified Adulterated or Substituted Drug Results).
- 4. Other Violations of DOT Agency Drugs and Alcohol Testing Regulations.

Yes □	No 🗆		
If Yes, please con	nplete Section B of this Applica	ation. If No, please Sign below.	
Signature:			Date:
SECTION B			
Company Name			
Address			
Phone		Position	Dates of Employment
Company Name			
Address			
Phone		Position	Dates of Employment
Company Name			
Address		-	
Phone		Position	Dates of Employment
Statements or Om	issions from this Form shall be	this Application is true and may be considered sufficient reason for Reation shall be considered sufficient	
Signature:			Date:



Property of CES Environmental Services, Inc.

## **CES Company Policy**

THINK USE GOOD JUDGMENT	CES Environmental Services, Inc.	<u>YOUR</u> <u>ATTITUDE</u> <u>COUNTS</u>
Date Issued: <u>12/09/2008</u>	DEPARTMENT(S):  -Operations -Processing -Tank Wash -Maintenance and Field Services -Sales, Finance, and Administration	Revised Date: <u>00/00/0000</u>
Policy Number: <u>08-019</u>	Policy Title: Company Cell Phones	Policy Description: This Policy explains the usage of the CES Environmental Services, Inc. Company Cell Phones.

- 1. The Company Cell Phone you have been issued is for Company Business only and is property of **CES Environmental Services**, **Inc.** However, within reason, **Employees** can use the Company Cell Phone to make and receive personal calls. Any additional costs associated with personal use are the responsibility of the **Employee**.
  - Downloading Music, Pictures, and Video Games are not permitted. Any costs associated with unauthorized Downloads will be deducted from your pay check.
  - Unless expressly approved by **Upper or Mid Level Management**, Text Messaging will not be allowed. Any costs associated with unauthorized Text Messaging will be deducted from your pay check.
  - Unless expressly approved or amended by Upper or Mid Level Management, 500 Peak Minutes are allotted for General Employees, 1500 Minutes for Mid Level Managers, and unlimited for Sales Representatives, Customer Service and Inside Sales Representatives, Customer Service and Inside Sales-Product Sales, and Upper Level Managers. \$0.20 per Minute will be charged for Minutes over allotted amount. There are no unlimited Nights and Weekends only Mobile to Mobile.
- 2. The Company Cell Phone issued is your responsibility. If the Company Cell Phone is lost or stolen, **CES Environmental Services**, **Inc.** will charge back to you the Insurance Deductible associated with the replacement of your lost or stolen phone.

# PROPRIETARY and CONFIDENTIAL Property of CES Environmental Services, Inc.

- 3. If your Company Cell Phone/Equipment is lost, damaged or stolen due to work related activities, **CES Environmental Services**, **Inc.** will review each occurrence and determine if the cost to replace or repair the Company Cell Phone/Equipment will be charged back to the **Employee** responsible for the Company Cell Phone/Equipment or if **CES Environmental Services**, **Inc.** will absorb the cost of repair or replacement.
- 4. **CES Environmental Services, Inc.** will deduct any costs associated with the Company Cell Phones from the **Employee's** next pay check following **CES Environmental Services, Inc.** receiving and analyzing the Company Cell Phone Bill. No exceptions!
- 5. If you have any issues with your Company Cell Phone, please bring them to the **Human Resources and Support Services Supervisor's** attention.

Failure to adh	nere to the inst	tructions outlir	ned in this <u>Pol</u>	<u>licy</u> may res	sult in Discip	olinary
Actions (refer	rence the <u>Poli</u>	cy on Disciplii	nary Policy) u	ip to and inc	cluding Tern	nination.

Employee Signature:	uzma	ock	_ Date:	21	13/	109
Employee Printed Name:	Su7,	mode			•	

#### **Anissa Wright**

From:

Ryan Thomas

Sent:

Tuesday, April 14, 2009 10:34 AM

To:

Matt Bowman

Cc:

Brian Weathers; Greg Bowman; Anissa Wright

Subject:

RE: Suzi Mock

Follow Up Flag: Flag Status:

Follow up Flagged

That is fine and I feel she should be happy with this.

From: Matt Bowman

Sent: Tuesday, April 14, 2009 10:32 AM

To: Ryan Thomas

Cc: Brian Weathers; Greg Bowman; Anissa Wright

Subject: RE: Suzi Mock

From: Ryan Thomas

Sent: Tuesday, April 14, 2009 10:27 AM

To: Matt Bowman Subject: Suzi Mock



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### **Anissa Wright**

From:

Krissy Reese

Sent:

Thursday, April 02, 2009 10:56 AM

To:

Anissa Wright

Subject: FW: Two things

Cc:

Juanita Thomas

_ . . .

See below

From: Ryan Thomas

Sent: Thursday, April 02, 2009 10:55 AM

To: Krissy Reese

Subject: Re: Two things

Yes pay Suzi for Friday.

**From**: Krissy Reese **To**: Ryan Thomas

**Sent**: Thu Apr 02 07:42:53 2009

Subject: Two things

Suzi pay for funeral on Friday?

Krissy Reese PACES, Administrative Assistant 713-800-7955 kreese@cesenvironmental.com TEXAS WORKFORCE COMMISSION 101 E. 15TH RM 202T - WOTC AUSTIN TX 78778-0001



02-25-09

Tom Pauken, Chairman

Andres Alcantar Commissioner Representing the Public Ronald G. Congleton Commissioner Representing Labor

Larry E. Temple Executive Director



CES ENVIRONMENTAL SERVICES
4904 GRIGGS RD
HOUSTON TX 77021

EIN: 76-0592985

DRWR: 112

#### Dear Employer:

The Work Opportunity Tax Credit (WOTC) was created by the Small Business Job Protection Act of 1996. It is a federally funded program designed with two main objectives:

(1) To address the employment needs of individuals who face significant barriers to employment, and

(2) To provide a tax credit incentive to employers hiring applicants from the WOTC designated groups.

Certification is based on the qualifying information provided on the IRS Form 8850, the ETA FORM 9061, Individual Characteristics Form (ICF) and other required documentation. Our review has determined you are not eligible for the tax credit on the above employee because:

The individual named above does not meet the eligibility criteria for any of the WOTC target groups.

JUDY WILLIAMS 1-800-695-6879

### **Anissa Wright**

From: Keld Andersen

Sent: Monday, December 22, 2008 7:04 PM

To: Krissy Reese; Anissa Wright

Cc: Matt Bowman

Subject: Brad Wood Pay, Suzi Mock pay

Brad needs to SE @ \$65pa + gas retro to last monday when he started.

Suzi needs to moved up from her current level of \$\( \begin{aligned} \text{/hr} \) to \( \begin{aligned} \text{/hr} \) also retro to last Monday.

#### Keld

Port Arthur Chemical Environmental Services PO Box 218 Port Arthur Tx 77641-0218 kandersen@cesenvironmental.com 630-212-0437

#### Employee Acknowledgment of Workers' Compensation Network

I have received information that tells me how to get health care under my employer's workers' compensation insurance.

If I am hurt on the job and live in a service area described in this information, Lunderstand that:

- 1. I must choose a treating doctor from the list of doctors in the network. Or, I may ask my HMO primary care physician to agree to serve as my treating doctor. If I select my HMO primary care physician as my treating doctor, I will call Texas Mutual at (800) 859-5995, extension 2880 to notify them of my choice.
- 2. I must go to my treating doctor for all health care for my injury. If I need a specialist, my treating doctor will refer me. If I need emergency care, I may go anywhere.
- 3. The insurance carrier will pay the treating doctor and other network providers.
- 4. I might have to pay the bill if I get health care from someone other than a network doctor without network approval.
- 5. Making a false or fraudulent workers' compensation claim is a crime that may result in fines and or imprisonment.

Suz Mode	9	125/08
Signature		Date
Sur Mock		
Printed Name		
(b) (6)		
City	State	Zip Code
Name of Employer: <u>CES Environmental</u>	Sarvios,	Inc.
Name of Network: Texas Star Network _{SM}		
Network service areas are subject to change.		
Call (800) 381-8067 if you need a network treati	ng provider.	
Please indicate whether this is the:		
Initial Employee Notification		
☐ Injury Notification (Date of Injury: 2/25	<u>/S</u> )	

DO NOT RETURN THIS FORM TO TEXAS MUTUAL INSURANCE COMPANY UNLESS REQUESTED

Employee Notice of Network Requirements – 03/06

Page 8 of 8

## Form W-4 (2008)

Purpose. Complete Form W-4 so that your employer can withhold the correct federal income tax from your pay. Consider completing a new Form W-4 each year and when your personal or financial situation changes.

Exemption from withholding. If you are exempt, complete only lines 1, 2, 3, 4, and 7 and sign the form to validate it. Your exemption for 2008 expires February 16, 2009. See Pub. 505, Tax Withholding and Estimated Tax.

Note. You cannot claim exemption from withholding if (a) your income exceeds \$900 and includes more than \$300 of unearned income (for example, interest and dividends) and (b) another person can claim you as a dependent on their tax return.

Basic instructions. If you are not exempt, complete the Personal Allowances Worksheet below. The worksheets on page 2 adjust your withholding allowances based on itemized deductions, certain credits,

For Privacy Act and Paperwork Reduction Act Notice, see page 2.

adjustments to income, or two-earner/multiple job situations. Complete all worksheets that apply. However, you may claim fewer (or zero) allowances.

Head of household. Generally, you may claim head of household filing status on your tax return only if you are unmarried and pay more than 50% of the costs of keeping up a home for yourself and your dependent(s) or other qualifying individuals. See Pub. 501, Exemptions, Standard Deduction, and Filing Information. for information.

Tax credits. You can take projected tax credits into account in figuring your allowable number of withholding allowances. Credits for child or dependent care expenses and the child tax credit may be claimed using the Personal Allowances Worksheet below. See Pub. 919, How Do I Adjust My Tax Withholding, for information on converting your other credits into withholding allowances. Nonwage income. If you have a large amount of nonwage income, such as interest or dividends, consider making estimated tax

payments using Form 1040-ES, Estimated Tax for Individuals. Otherwise, you may owe additional tax. If you have pension or annuity income, see Pub. 919 to find out if you should adjust your withholding on Form W-4 or W-4P.

Two earners or multiple jobs. If you have a working spouse or more than one job, figure the total number of allowances you are entitled to claim on all jobs using worksheets from only one Form W-4. Your withholding usually will be most accurate when all allowances are claimed on the Form W-4 for the highest paying job and zero allowances are claimed on the others. See Pub. 919 for details.

Nonresident alien. If you are a nonresident alien, see the Instructions for Form 8233 before completing this Form W-4.

Check your withholding. After your Form W-4 takes effect, use Pub. 919 to see how the dollar amount you are having withheld compares to your projected total tax for 2008. See Pub. 919, especially if your earnings exceed \$130,000 (Single) or \$180,000 (Married).

	Personal Allowances Worksheet (Keep for your records.)	
Α	Enter "1" for yourself if no one else can claim you as a dependent	
	● You are single and have only one job; or	
В	Enter "1" if: { ● You are married, have only one job, and your spouse does not work; or } В _	
	<ul> <li>Your wages from a second job or your spouse's wages (or the total of both) are \$1,500 or less.</li> </ul>	
С	Enter "1" for your spouse. But, you may choose to enter "-0-" if you are married and have either a working spouse or	
	more than one job. (Entering "-0-" may help you avoid having too little tax withheld.) , , , , , , , , , , , , C	,
D	Enter number of dependents (other than your spouse or yourself) you will claim on your tax return	
E	Enter "1" if you will file as head of household on your tax return (see conditions under Head of household above) .	
F	Enter "1" if you have at least \$1,500 of child or dependent care expenses for which you plan to claim a credit F	
	(Note. Do not include child support payments. See Pub. 503, Child and Dependent Care Expenses, for details.)	
G	• · · · · · · · · · · · · · · · · · · ·	
	• If your total income will be less than \$58,000 (\$86,000 if married), enter "2" for each eligible child.	
	• If your total income will be between \$58,000 and \$84,000 (\$86,000 and \$119,000 if married), enter "1" for each eligible child plus "1" additional if you have 4 or more eligible children.	
ш	Add lines A through G and enter total here. (Note. This may be different from the number of exemptions you claim on your tax return.)	
••	For accuracy, f • If you plan to itemize or claim adjustments to income and want to reduce your withholding, see the Deduc	tions
	complete all and Adjustments Worksheet on page 2.	
	worksheets \ • If you have more than one job or are married and you and your spouse both work and the combined earnings from all jobs e	xceed
	that apply. \$40,000 (\$25,000 if married), see the Two-Earners/Multiple Jobs Worksheet on page 2 to avoid having too little tax withhe	ld.
	• If neither of the above situations applies, stop here and enter the number from line H on line 5 of Form W-4 to	pelow.
	Cut here and give Form W-4 to your employer. Keep the top part for your records.	
		45-0074
Forn	W-/ Employee's Withholding Allowance Certificate	45-0074
	W-/ Employee's Withholding Allowance Certificate	345-0074
Depa	Employee's Withholding Allowance Certificate  **Type of-print your first name and middle initial.**  **Employee's Withholding Allowance Certificate  **Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  **Type of-print your first name and middle initial.**  **Last name**  **DMB No. 15  **200**  **DMB No. 15  **200**  **Type of-print your first name and middle initial.**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last name**  **Last nam	18
Depa	Employee's Withholding Allowance Certificate  artment of the Treasury real Revenue Service  Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.	18
Depa Interr	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name  Your social security number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.	)8 [
Depa	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name  Your social security number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.	orate.
Depa Interr	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name  3 Single Married Married, but withhold at higher Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note."	e rate.
Depa Interr	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name    3	e rate.  rigle" box.
Depa Interr 1	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name  3 Single Warried Married, but withhold at higher Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but legally separated or spouse is a nonresident alien, check the "Single Note. If married, but leg	e rate.  rigle" box.  rity card,
Depa Interr 1 (b)	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name    3	e rate.  rigle" box.
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Depa Interr 1 (b)	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name  Single Married Married, but withhold at higher Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but eightly separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If ma	e rate.  rigle" box.
Depa Interr 1 5 6 7	Employee's Withholding Allowance Certificate    Mether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.    Type or print your first name and middle initial.   Last name	e rate.  rigle" box.
Department 1  (b) 6  7	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type or print your first name and middle initial.  Last name  Single Married Married, but withhold at higher Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but eightly separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If married, but legally separated, or spouse is a nonresident alien, check the "Single Note. If ma	e rate.  rigle" box.
Department 1  5 6 7	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type ac-print your first name and middle initial.  Last name    3	e rate.  rigle" box.
5 6 7	Employee's Withholding Allowance Certificate    Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.    Type.or.print your first name and middle initial.   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last name   Last	erate.  lige box.  lity card,  d.
Department 1  5 6 7	Employee's Withholding Allowance Certificate  Whether you are entitled to claim a certain number of allowances or exemption from withholding is subject to review by the IRS. Your employer may be required to send a copy of this form to the IRS.  Type ac-print your first name and middle initial.  Last name    3	erate.  lity card,  d.

Cat. No. 10220Q

Form W-4 (2008)

-orm	W-4 (2008			Page Z
		Deductions and Adjustments Worksheet		
No 1	Enter charita miscel	s worksheet only if you plan to itemize deductions, claim certain credits, or claim adjustments to income an estimate of your 2008 itemized deductions. These include qualifying home mortgage interest, ble contributions, state and local taxes, medical expenses in excess of 7.5% of your income, and aneous deductions. (For 2008, you may have to reduce your itemized deductions if your income \$159,950 (\$79,975 if married filing separately). See Worksheet 2 in Pub. 919 for details.)	on y	our 2008 tax return.
2	Enter:	\$10,900 if married filing jointly or qualifying widow(er) \$ 8,000 if head of household \$ 5,450 if single or married filing separately	2	\$
3	Subtrac	t line 2 from line 1. If zero or less, enter "-0-"	3	\$
4	Enter an e	stimate of your 2008 adjustments to income, including alimony, deductible IRA contributions, and student loan interest	4	\$
5	Add line	s 3 and 4 and enter the total. (Include any amount for credits from Worksheet 8 in Pub. 919) .	5	\$
6		estimate of your 2008 nonwage income (such as dividends or interest) ,	6	\$
7		t line 6 from line 5. If zero or less, enter "-0-"	7	\$
8		ne amount on line 7 by \$3,500 and enter the result here. Drop any fraction	8	
9	Enter the	number from the Personal Allowances Worksheet, line H, page 1	9	
10		s 8 and 9 and enter the total here. If you plan to use the <b>Two-Earners/Multiple Jobs Worksheet,</b> or this total on line 1 below. Otherwise, <b>stop here</b> and enter this total on Form W-4, line 5, page 1	10_	

	Two-Earners/Multiple Jobs Worksheet (See Two earners or multiple jobs on	oage	: 1.)
No 1 2	te. Use this worksheet only if the instructions under line H on page 1 direct you here.  Enter the number from line H, page 1 (or from line 10 above if you used the <b>Deductions and Adjustments Worksheet</b> )  Find the number in <b>Table 1</b> below that applies to the <b>LOWEST</b> paying job and enter it here. <b>However</b> , if you are married filing jointly and wages from the highest paying job are \$50,000 or less, do not enter more than "3."	1	
	If line 1 is more than or equal to line 2, subtract line 2 from line 1. Enter the result here (if zero, enter "-0-") and on Form W-4, line 5, page 1. Do not use the rest of this worksheet	<b>3</b> ulate	the additional
4 5	Enter the number from line 2 of this worksheet		
6 7	Subtract line 5 from line 4	6 7 8	<u>\$</u> \$
9	Divide line 8 by the number of pay periods remaining in 2008. For example, divide by 26 if you are paid every two weeks and you complete this form in December 2007. Enter the result here and on Form W-4, line 6, page 1. This is the additional amount to be withheld from each paycheck.	9	\$
	Table 1		<u> </u>

Table 1			Table 2					
Married Filing	Jointly	All Other	rs	Married Filing Jointly All C		All Others	ers	
If wages from LOWEST paying job are—	Enter on line 2 above	If wages from LOWEST paying job are-	Enter on line 2 above	If wages from HIGHEST paying job are—	Enter on line 7 above	If wages from HIGHEST paying job are—	Enter on line 7 above	
\$0 - \$4,500 4,501 - 10,000 10,001 - 18,000 22,001 - 27,000 27,001 - 33,000 33,001 - 40,000 40,001 - 50,000 50,001 - 55,000 60,001 - 65,000 65,001 - 75,000 75,001 - 100,000 100,001 - 110,000 110,001 - 120,000 120,001 and over	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	\$0 - \$6,500 6,501 - 12,000 12,001 - 20,000 20,001 - 27,000 27,001 - 35,000 35,001 - 50,000 50,001 - 65,000 65,001 - 80,000 80,001 - 95,000 95,001 - 120,000 120,001 and over	0 1 2 3 4 5 6 7 8 9	\$0 - \$65,000 65,001 - 120,000 120,001 - 180,000 180,001 - 310,000 310,001 and over	\$530 880 980 1,160 1,230	\$0 - \$35,000 35,001 - 80,000 80,001 - 150,000 150,001 - 340,000 340,001 and over	\$530 880 980 1,160 1,230	

Privacy Act and Paperwork Reduction Act Notice. We ask for the information on this form to carry out the Internal Revenue laws of the United States. The Internal Revenue Code requires this information under sections 3402(f)(2)(A) and 6109 and their regulations. Failure to provide a properly completed form will result in your being treated as a single person who claims no withholding allowances; providing fraudulent information may also subject you to penalties. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation, to cities, states, and the District of Columbia for use in administering their tax laws, and using it in the National Directory of New Hires. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by Code section 6103.

The average time and expenses required to complete and file this form will vary depending on individual circumstances. For estimated averages, see the instructions for your income tax return.

If you have suggestions for making this form simpler, we would be happy to hear from you. See the instructions for your income tax return.

# Form **8850**(Rev. June 2007) Department of the Treasury Internal Revenue Service

# Pre-Screening Notice and Certification Request for the Work Opportunity Credit

OMB No. 1545-1500

► See separate instructions.

		Job applicant: Fill in the lines below and check any boxes that apply. Complete only this side.
You	r nar	me Social security number (b) (6)
Stre	et a	ddress where you live
City	or t	own, state, and ZIP coc
Tele	phor	ne number $\frac{(b)(6)}{2}$
lf vo	u ar	(b) (6) e under age 40, enter your date of birth (month, day, year
		age to, entry year date of sitting day, year
1		Check here if you are completing this form <b>before</b> August 28, 2007, and you lived in the area impacted by Hurricane Katrina on August 28, 2005. If so, please enter the address, including county or parish and state where you lived at that time.
2		Check here if you received a conditional certification from the state workforce agency (SWA) or a participating local agency for the work opportunity credit.
3		Check here if <b>any</b> of the following statements apply to you.  • I am a member of a family that has received assistance from Temporary Assistance for Needy Families (TANF) for any 9 months during the past 18 months.
		• I am a veteran and a member of a family that received food stamps for at least a 3-month period during the past 15 months.
		• I was referred here by a rehabilitation agency approved by the state, an employment network under the Ticket to Work program, or the Department of Veterans Affairs.
		• I am at least age 18 but <b>not</b> age 40 or older and I am a member of a family that:
		<ul> <li>a Received food stamps for the past 6 months, or</li> <li>b Received food stamps for at least 3 of the past 5 months, but is no longer eligible to receive them.</li> </ul>
		<ul> <li>During the past year, I was convicted of a felony or released from prison for a felony.</li> <li>I received supplemental security income (SSI) benefits for any month ending during the past 60 days.</li> </ul>
4	Ц	Check here if you are a veteran entitled to compensation for a service-connected disability <b>and</b> , during the past year, you were:
		<ul> <li>Discharged or released from active duty in the U.S. Armed Forces, or</li> </ul>
		Unemployed for a period or periods totaling at least 6 months.
5		Check here if you are a member of a family that:
		<ul> <li>Received TANF payments for at least the past 18 months, or</li> <li>Received TANF payments for any 18 months beginning after August 5, 1997, and the earliest 18-month period beginning</li> </ul>
		after August 5, 1997, ended during the past 2 years, or
		<ul> <li>Stopped being eligible for TANF payments during the past 2 years because federal or state law limited the maximum time those payments could be made.</li> </ul>
		Signature—All Applicants Must Sign
		alties of perjury, I declare that I gave the above information to the employer on or before the day I was offered a job, and it is, to the best of dge, true, correct, and complete.—
•		licant's signature = u2 moll Date 9 5/08
		cy Act and Paperwork Reduction Act Notice, see page 2. Cat. No. 22851L Form 8850 (Rev. 6-07)

	0		or Employ		-			
Employer's name	(test	TIN AVERNIVII)	<u>ы</u> т	elephone n	. (7B)6	10 - 1400 EI	N D Aloi	009298
Street address 👱	1904 Gr	igop lat						
		e Huston						
		om above				Telephone n	o. ( <u>)</u>	-
Street address _								
City or town, state	e, and ZIP cod	e						
		and home address ate instructions), er						
Date applicant:	Gave information	9/05/08	Was offered job	A 68	Was _ hired	91811CE	Started job _	9125108
Complete Only	If Box 1 on	Page 1 is Check	ed					
State and county or parish of job				Ę	on August	ne individual was no 28, 2005, and thi byee has been hir 1, 2005.	s is the first	time
furnished is, to the bes	t of my knowledge	the applicant completed e, true, correct, and com quest a certification that	plete. Based on	the information	n the job appl	licant furnished on pag		
Employer's signa	ature & A	C		Title	HK-	· .	Date ⁽	7 129 108

#### Privacy Act and Paperwork Reduction Act Notice

Section references are to the Internal Revenue Code.

Section 51(d)(13) permits a prospective employer to request the applicant to complete this form and give it to the prospective employer. The information will be used by the employer to complete the employer's federal tax return. Completion of this form is voluntary and may assist members of targeted groups in securing employment. Routine uses of this form include giving it to the state workforce agency (SWA), which will contact appropriate sources to confirm that the applicant is a member of a targeted group. This form may also be given to the Internal Revenue Service for administration of the Internal Revenue laws, to the Department of Justice for civil and

criminal litigation, to the Department of Labor for oversight of the certifications performed by the SWA, and to cities, states, and the District of Columbia for use in administering their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by section 6103.

The time needed to complete and file this form will vary depending on individual circumstances. The estimated average time is:

If you have comments concerning the accuracy of these time estimates or suggestions for making this form simpler, we would be happy to hear from you. You can write to the Internal Revenue Service, Tax Products Coordinating Committee, SE:W:CAR:MP:T:T:SP, 1111 Constitution Ave. NW, IR-6406, Washington, DC 20224.

Do not send this form to this address. Instead, see *When and Where To File* in the separate instructions.



## TEXAS EMPLOYER NEW HIRE REPORTING PROGRAM New Hire Reporting Form

Please write all entries in CAPS
 All items MUST be completed unless noted with an *
 PRINT legibly in link or type all entries
 Further instructions are on reverse side

EMPL OYER INF	EMPLOYER INFORMATION			
	ORMATION			
Federal Employer ID     Number (FEIN)	17161-10151912191815	2. State Employer ID Number* 117161015191219181514		
3. Employer's Name	ICIEISI IEINIVIIIRIOINIMIEIN	ATAILI ISIEIRIVII ICIEISI I/ INICI I I I		
4. Employer's Address	141910141 1GIR11 1GIGISI IRIO	(AD)		
5. Employer's City	1H101U1SIT101N1 1 1 1 1 1	6. State 7. ZIP Code 7   X   7   7   0   2   1   - 3   2   0   8		
8. Employer's Payroll		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Address (if different from above) *				
9. Employer's Payroll		10. State 11. ZIP Code		
City		<u> </u>		
12. Employer's Telephone		13. Employer's FAX (171/131)1617161-1/1617161		
14. New Hire Contact Per	rson* PRIAIBIHIAIKIAIRI	IRI ITIHIA INIGIUIDIUI		
EMPLOYEE INF	ORMATION			
15. Social Security Number (SSN)	b) (6)	16. First Day of Work Month Day Year (4 digits) (Mo/Day/Yr) * 21010 1 1		
17. Employee First Name	ONIZ-11 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1		
18. Employee Middle Name	1A1111111			
19. Employee Last Name	IMICICIALI I I I I I			
20. Employee	(b) (6)			
Home Address				
21. Employee City	PORTIFIARETHARE	22. State 23. ZIP Code,		
24. Employee Foreign Address				
	25. City	26. Country 27. Postal Code		
28. State Where Employee	e was hired* ITIXI	29. Employee DOB Month Day Year (4 digits) . (b) (6)		
30. Employee's Salary D (\$ and cents)     ,	ollars Cents	31. Salary Hourly Biweekly Monthly (Check One) Weekly Semi-Monthly Yearly		

*Optional

Submit within 20 calendar days of new employee's first day of work to ENHR Operations Center, P.O. Box 149224, Austin, Texas 78714-9224 FAX: 1-800-732-5015, Phone: 1-800-850-6442

Online: http://employer.oag.state.tx.us

December 2005

ENHR RPT FORM

## **New Hire Uniform and Safety Shoe Agreement**

As a new employee of CES Environmental Services, I agree to pay the uniform set up fee of \$27.30. If I do not complete 90 days of employment I agree to allow CES Environmental Services to payroll deduct \$27.30 plus the amount of any lost uniforms and \$100.00 for safety shoes furnished by CES Environmental Services, Inc.

9/25/08 Date

Employee Signature

EPAHO043001420

Effective Date: CES Environmental Services, Inc.

## ACKNOWLEDGMENT SAFETY POLICIES AND PROCEDURES MANUAL

By my signature below, I (Please Print) Suzi Mode hereby acknowledge that I have read (or it has been read to me), I have access to, and I understand what is expected of me as an employee of CES Environmental Services.

I agree to cooperate and abide by this policy and understand that any failure to do so on my part is grounds for termination.

EMPLOYER SIGNATION

SIGNATURE OF SUPERVISOR OR WITNESS

EPAHO043001421

#### **CELL PHONE POLICY**

- 1. The cell phone you have been issued is for company business only and is property of CES. However, within reason, employees can use the business phone to make and receive personal calls. All employees are issued 500 minutes. Any additional costs associated with personal use are the responsibility of the employee.
  - o Downloading music, pictures and video games are not permitted. These downloads range from \$2.50 to \$5.99 each.
  - o The company plan allows for 300 text messages per month (incoming and outgoing). Any messages over this will be the responsibility of the employee. Additional text messages are \$0,10 each (incoming and outgoing).
  - 500 peak minutes are allotted for general employees, 1500 minutes for Mid-level Managers and unlimited for Sales, Customer Service, and Upper Management. \$0.20 per minute will be charged for minutes over the allotted amount. *Unlimited nights and weekends are issued for each phone.*
- 2. The phone issued is **YOUR** responsibility. If the phone is lost or stolen, CES will charge you a \$50.00 insurance deductible.
- 3. If your cell phone is damaged due to work related activities, CES will replace your phone at no cost.
- 4. CES will deduct any costs associated with the cell phones from the employees next pay check following CES receiving the phone bill. **NO EXCEPTIONS!**
- 5. If you have any issues with your phone, please bring them to Jeff's attention.

## DRUG AND ALCOHOL TEST CONSENT

I understand that as a condition of employment, I must voluntarily consent to and satisfactorily complete urine screening tests to determine the presence of certain substances and/or a blood alcohol test to determine the presence of alcohol.

I further understand that I must voluntarily consent to unannounced searches and inspections of myself and my clothing and any locker, desks, clothing, Company-paid lodging, or vehicle assigned to me for the purpose of enforcing this policy.

As a candidate for employment, I understand that the presence of one or more of such drugs will disqualify me from further consideration for employment.

As an incumbent employee, I understand that the presence of one or more such drugs/alcohol may be cause for disciplinary action, up to and including termination of my employment.

I certify that I have read this form and the CES Substance Abuse policy or they have been read to me, and I understand their contents. I agree to the release of information obtained through medical inquiries or substance screen tests by the medical examiner(s) to CES and all related entities or its representatives on "need to know" basis.

I also hereby authorize the Company to conduct through its designated medical examiner(s), a substance screen test(s) and I release the clinic/physician and related entities, their directors, employees and agents from all legal responsibility arising out of the information obtained through the medical inquiries or screening test.

Applicant/Employee Suzu ModL	Date 9125108
Witness Chou	Date 925/08

* Port Arthur will Issue.

## Employee's Safety Supply List

Date: 925/08
Employee's Name: Suri Mock
Please initial next to the safety supplies you have been
issued.
Hard Hat
Safety Glasses
Goggles
Ear Plugs
Respirator
Nomex Suit
Rain Suit
Rubber Boots Size
Safety Harness
Rubber Gloves
Face Shield and Bracket
As an employee of CES you are responsible for the safety supplies you have been issued.
Employee Signature
Sur mode

# PROPRIETARY and CONFIDENTIAL Property of CES Environmental Services, Inc.

## **CES Company Policy**

THINK USE GOOD JUDGMENT	CES Environmental Services, Inc.	YOUR ATTITUDE COUNTS
Date Issued: <u>07/31/2008</u>	DEPARTMENT(S):  -Transportation -Field Services	Revised Date: <u>00/00/0000</u>
Policy Number: <u>08-061</u>	Policy Title: <u>Confidentiality Agreement of</u> <u>Company Business with</u> <u>Customers for Drivers and</u> <u>Field Services Personnel</u>	Policy Description: This Policy covers CES Environmental Services, Inc. Confidentiality Agreement that Drivers and Field Services Personnel will not release Company Business Information to Customers and or anyone outside the Company.

The purpose of this CES Environmental Services, Inc. Policy is for CES Environmental Services, Inc. Drivers and Field Services Personnel to acknowledge that in the course of his/her Employment with CES Environmental Services, Inc. all Company Business Information will be kept confidential and will not be revealed and or discussed to any Customer(s) and or anyone outside the Company.

This includes but is not limited to the following:

- 1. Manifest
- 2. Job Information Profile

Note: If the CES Environmental Services, Inc. Employee has any questions contact the Logistics Supervisors.

All CES Environmental Services, Inc. Business Information is to be considered highly confidential and by the Employee signing this Policy he/she agrees to abide by this Policy.

Employee Name: Suzi Mocil	Date: 9/25/08
Employee Signature: Suz VVXIL	Date:





## **Employee Information**

Personal Information		
Full Name: MOCIL	Surj G	+
Address:	First	M.I.
Super Address (b) (6)		Apartment/Unit #
City (b) (6)  Home Phone:	State Alternate Phone: ( )	ZIP Code
E-mail Address: (b) (6)		
Social Security Number or Government ID:		
Birth Date: (b) (6) Marital Status:	Marnea	
Spouse's Name: (b) (6)		
Spouse's Employer:	Spouse's Work Phone: ( )	
Job Information		
Title:	Employee ID:	
Supervisor:	Department:	
Work Location: Port Arthur	E-mail Address:	
Work Phone: _()	Cell Phone: ( )	
Start Date: <u>0/25/08</u>	Salary: \$	
Emergency Contact Information		
Full Name: (b) (6)		
Address:	First	M.I.
(b) (6)		Anartment/Unit #
(b) (6)	State	ZIP Code
Primary Phone:	Alternate Phone: ( )	
Relationship:		